

APRIL, 1935

NUMBER 295

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE ONE HUNDRED AND
FORTY-FIRST SESSION



CATALOGUE ISSUE

1934-1935

Announcements for the Session

1935-1936

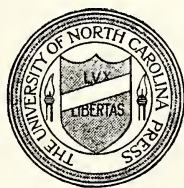
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CALENDAR FOR 1935

JANUARY							APRIL							JULY							OCTOBER																						
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CALENDAR FOR 1936

JANUARY							APRIL							JULY							OCTOBER						
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22	23	24	25	26	27	28	29	30	31																		
29	30	31																									

CATALOGUE OF EVENTS

SESSION, 1935-1936

1935

<i>June 9-11</i>	<i>Sunday through Tuesday.</i> Commencement Exercises.
<i>June 12-July 20</i>	Summer School of Law, First Term.
<i>June 13-July 24</i>	Summer Session, First Term.
<i>July 22-August 28</i>	Summer School of Law, Second Term.
<i>July 25-August 31</i>	Summer Session, Second Term.
<i>Sept. 16</i>	<i>Monday.</i> Entrance Examinations.
<i>Sept. 16-17</i>	<i>Monday and Tuesday.</i> Examinations to remove condition grades.
<i>Sept. 16-19</i>	<i>Monday through Thursday.</i> Freshman Week.
<i>Sept. 18</i>	<i>Wednesday.</i> Registration of Freshmen for the fall quarter.
<i>Sept. 19</i>	<i>Thursday.</i> Registration (all except Freshmen) for the fall quarter.
<i>Sept. 20</i>	<i>Friday.</i> Class work for the fall quarter begins.
<i>Oct. 12</i>	<i>Saturday.</i> University Day.
<i>Nov. 27</i>	<i>Wednesday.</i> Thanksgiving Recess begins (1:00 p.m.).
<i>Dec. 2</i>	<i>Monday.</i> Thanksgiving Recess ends (8:30 a.m.).
<i>Dec. 11-20</i>	<i>Wednesday to 1 p. m. Friday of following week.</i> Registration for the winter quarter.
<i>Dec. 17-20</i>	<i>Tuesday through Friday.</i> Examinations for the fall quarter.
<i>Dec. 20 (afternoon)- Jan. 1, 1936</i>	Christmas Recèss.

1936

<i>Jan. 2</i>	<i>Thursday.</i> Registration of new students.
<i>Jan. 3</i>	<i>Friday.</i> Class work for the winter quarter begins.
<i>Jan. 25</i>	<i>Saturday.</i> First term of the School of Law ends.
<i>Jan. 27</i>	<i>Monday.</i> Second Term of the School of Law begins.
<i>Feb. 1</i>	<i>Saturday.</i> Candidates for the Mangum Medal announce their subjects to their respective Deans.
<i>Mar. 6-14</i>	<i>Friday to 1 p. m. Saturday of following week.</i> Registration for the spring quarter.
<i>Mar. 11-14</i>	<i>Wednesday through Saturday.</i> Examinations for the winter quarter.
<i>Mar. 14-22</i>	<i>Saturday afternoon through Sunday.</i> Spring Recess.
<i>Mar. 23</i>	<i>Monday.</i> Registration of new students.
<i>Mar. 24</i>	<i>Tuesday.</i> Class work for the spring quarter begins.
<i>May 1</i>	<i>Friday.</i> Selection of Commencement Orators.
<i>June 1-4</i>	<i>Monday through Thursday.</i> Examinations for the spring quarter.
<i>June 7-9</i>	<i>Sunday through Tuesday.</i> Commencement Exercises.

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PART ONE—OFFICERS

BOARD OF TRUSTEES OFFICERS OF ADMINISTRATION OFFICERS OF INSTRUCTION FACULTY COMMITTEES

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President *ex officio* of the Board of Trustees.

CLYDE ATKINSON ERWIN, SUPERINTENDENT OF PUBLIC IN-
STRUCTION, member *ex officio* of the Board of Trustees.

HENRY MAUGER LONDON, Secretary of the Board.

THE BOARD OF TRUSTEES

†1935

ALEXANDER BOYD ANDREWS.....	Wake
DUDLEY BAGLEY	Currituck
KEMP DAVIS BATTLE.....	Nash
JAMES ALBERT BRIDGER.....	Bladen
MRS. MINNIE McIVER BROWN.....	Columbus
CHARLES F. CATES.....	Alamance
RICHARD THURMOND CHATHAM.....	Forsyth
WILLIAM GRIMES CLARK.....	Edgecombe
ROBERT MARTIN COX.....	Forsyth
ARTHUR MILLS DIXON.....	Gaston
CLAUDIUS DOCKERY	Montgomery
RUFUS ALEXANDER DOUGHTON.....	Alleghany
SAMUEL JAMES ERVIN, JR.....	Burke
ALONZO DILLARD FOLGER.....	Surry
CHARLES ANDREW JONAS.....	Lincoln
LLOYD J. LAWRENCE.....	Hertford
KEMP PLUMMER LEWIS.....	Durham
STAHL E. LINN	Rowan
MRS. E. L. McKEE.....	Jackson
JAMES EDWARD MILLIS.....	Guilford
*EDWARD SAUNDERS PARKER, JR.....	Guilford
JOHN JOHNSTON PARKER.....	Mecklenburg
CHARLES GRANDISON ROSE.....	Cumberland
MRS. LULA MARTIN McIVER SCOTT.....	Guilford
FREDERICK ISLER SUTTON.....	Lenoir

† The legal term of office expires April 1st of the year indicated.

* Deceased.

†1937

JOHN WILL AIKEN.....	Catawba
JOHN DAY BEATTY, JR.....	Bladen
JOHN LELAND BECTON.....	New Hanover
MARVIN KEY BLOUNT.....	Pitt
THOMAS CONTEE BOWIE.....	Ashe
JOHN W. CLARK.....	Randolph
FINLEY HEZEKIAH COFFEY.....	Caldwell
MRS. LAURA WEIL CONE.....	Guilford
HENRY GROVES CONNOR, JR.....	Wilson
WILLIAM REID DALTON.....	Rockingham
ISAAC PETER DAVIS.....	Dare
RAYMOND ROWE EAGLE.....	Craven
MRS. EDWIN CLARKE GREGORY.....	Rowan
JOHN SPRUNT HILL.....	Durham
MRS. DAISY HANES LASSITER.....	Mecklenburg
HENRY MAUGER LONDON.....	Wake
CHARLES EDWARD MADDRY.....	Richmond, Va.
JOSIAH THOMAS MANGUM.....	Guilford
ALBERT GALLATIN MYERS.....	Gaston
JAMES LEE NELSON.....	Caldwell
*ROBERT NEWTON PAGE.....	Moore
CHARLES WALTER TILLET, JR.....	Mecklenburg
GEORGE ROBERT WARD.....	Duplin
LESLIE WEIL.....	Wayne
FRANCIS DONNELL WINSTON.....	Bertie

†1939

W. D. BATEMAN.....	Wilson
WILLIAM HYSLOP SUMNER BURGWIN.....	Northampton
BURTON CRAIGE	Forsyth
STUART WARREN CRAMER.....	Mecklenburg
JOHN GILMER DAWSON.....	Lenoir
FRANK LEMUEL DUNLAP.....	Anson
JOSEPH McDOWELL GAMEWELL.....	Davidson
OLIVER MAX GARDNER.....	Washington, D. C.
ALEXANDER HAWKINS GRAHAM.....	Orange
HARRY PERCY GRIER, JR.....	Iredell
LUTHER THOMPSON HARTSELL.....	Cabarrus
JOHN WETMORE HINSDALE.....	Wake
GEORGE LAFAYETTE LYERLY.....	Catawba
ISAAC MELSON MEEKINS.....	Pasquotank
WILLIAM DANIEL MERRITT.....	Person
WALTER MURPHY	Rowan
HAYWOOD PARKER	Buncombe
MRS. KATE B. REYNOLDS.....	Forsyth

† The legal term of office expires April 1st of the year indicated.

* Deceased.

HENRY MOORING ROBINS.....	Randolph
WILLIAM THOMAS SHORE.....	Mecklenburg
LAWRENCE SPRUNT	New Hanover
CLINTON WHITE TOMS, SR.....	Durham
CHARLES WHEDBEE	Perquimans
WILLIAM COLEMAN WOODARD.....	Nash
WILLIAM H. WOOLARD.....	Pitt

†1941

SYDENHAM BENONI ALEXANDER.....	Mecklenburg
MISS ANNIE MOORE CHERRY.....	Halifax
HAYDEN CLEMENT	Rowan
JOSEPHUS DANIELS	Wake
C. C. EFIRD.....	Stanly
REUBEN OSCAR EVERETT.....	Durham
WILLIAM D. FAUCETTE.....	Norfolk, Va.
RICHARD TILLMAN FOUNTAIN.....	Edgecombe
JAMES ALEXANDER GRAY.....	Forsyth
GEORGE CHANCELLOR GREEN.....	Halifax
JUNIUS DANIEL GRIMES.....	Beaufort
WILLIAM TUCKER HANNAH.....	Haywood
R. L. HARRIS.....	Person
ROBERT EUGENE LITTLE.....	Anson
ANGUS WILTON McLEAN.....	Robeson
MRS. LILY C. MOREHEAD MEBANE.....	Rockingham
CAMERON MORRISON	Mecklenburg
HARRISS NEWMAN	New Hanover
CLARENCE POE	Wake
MISS EASDALE SHAW	Richmond
JAMES FRANKLIN SPRUILL.....	Davidson
MRS. MAY LOVEFACE TOMLINSON.....	Guilford
IRVIN BURCHARD TUCKER.....	Columbus
JOHN KENYON WILSON.....	Pasquotank
GRAHAM WOODARD	Wilson

EXECUTIVE COMMITTEE OF THE TRUSTEES

JOHN CHRISTOPH BLUCHER EHRLINGHAUS, *ex officio*, Chairman
 HENRY MAUGER LONDON, *ex officio*, Secretary

†1936: JOSEPHUS DANIELS, CLARENCE POE, IRVING B. TUCKER.

†1938: CHARLES WHEDBEE, S. B. ALEXANDER, LESLIE WEIL.

†1940: JOHN SPRUNT HILL, WALTER MURPHY, JOHN J. PARKER.

†1942: MRS. LAURA WEIL CONE, MISS EASDALE SHAW, HAYWOOD PARKER.

* Deceased.

† The legal term of office expires April 1st of the year indicated.

‡ Term expires.

OFFICERS OF ADMINISTRATION

THE CONSOLIDATED UNIVERSITY

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President*.
CHARLES THOMAS WOOLLEN, *Controller*.

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DEAN ALLAN WILSON HOBBS	BROWN
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VAN HECKE	DEAN WALTER CLINTON JACKSON
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PIERSON	PROFESSOR HARRIET WISEMAN
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PROFESSOR HILBERT ADAM FISHER	

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MAURICE TAYLOR VAN HECKE, J.D., *Dean of the School of Law*.
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JOHN GROVER BEARD, Ph.G., Ph.M., *Dean of the School of Pharmacy*.
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*HERMAN GLENN BAITY, Sc.D., *Dean of the School of Engineering.*
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SUSAN GREY AKERS, Ph.D., *Acting-Director of the School of Library Science.*

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WILLIAM JOHN MCKEE, C.E., Ph.D., *Head, Department of In-Service Teacher Training.*

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JULIUS POE JENRETTE, *Assistant.*
WALTER RUFUS GROOVER, *Assistant.*

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GLADYS ANGEL BEARD, M.A., *Director.*

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EDWARD MCGOWAN HEDGPETH, A.B., M.D., *Assistant University Physician.*
FAY CHOATE, *Registered Nurse.*
SALLY VAUGHAN, *Registered Nurse.*
MARGARET PARDEE, *Technician.*

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

HARRY FULCHER COMER, M.A., *General Secretary.*
EDWIN SIDNEY LANIER, *Self-Help Secretary.*

* Absent on leave 1934-1935 in Federal Public Works Administration; his place is supplied by Professor William Jasper Miller as Acting-Dean.

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A.B., 1909 (North Carolina); M.A., 1916 (Columbia); LL.D. (Birmingham-Southern, Davidson, Duke); D.C.L. (Catawba); D.Litt. (Columbia).
- ROBERT BURTON HOUSE, A.M., *Dean of Administration*.
A.B., 1916 (North Carolina); A.M., 1917 (Harvard).
- HENRY HORACE WILLIAMS, A.M., B.D., *Kenan Professor of Philosophy*.
A.B., A.M., 1883 (North Carolina); B.D., 1888 (Yale).
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A.B., 1883, Ph.D., 1888 (Johns Hopkins).
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A.B., 1889, A.M., 1894 (Harvard); D.Sc., (Wake Forest).
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A.B., 1891 (North Carolina); M.D., 1894 (Jefferson Medical College).
- MARCUS CICERO STEPHENS NOBLE, Pd.D., *Kenan Professor Emeritus of Pedagogy*.
Student, 1875-1876 (Davidson); Student, 1877-1879 (North Carolina); Pd.D. (Davidson).
- ISAAC HALL MANNING, M.D., *Professor of Physiology*.
Student, 1882-1886 (North Carolina); M.D., 1897 (Long Island College of Medicine).
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A.B., 1897 (Princeton); A.M., Ph.D., 1903 (Halle).
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A.B., 1903 (North Carolina); Ed.M., 1921 (Harvard).
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B.S., 1894 (South Carolina); Ph.D., 1901 (Johns Hopkins); LL.D. (South Carolina).
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* Deceased.

- JOSEPH GREGOIRE DEROULHAC HAMILTON, Ph.D., *Kenan Professor of American History and Government*.
M.A., 1900 (University of the South); Ph.D., 1906 (Columbia).
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A.B., 1894, A.M., 1895 (Washington and Lee); M.D., 1897 (Virginia).
- THOMAS JAMES WILSON, JR., Ph.D., *Dean of Admissions and Registrar*.
A.B., 1894, A.M., 1896, Ph.D., 1898 (North Carolina).
- DUDLEY DEWITT CARROLL, M.A., *Professor of Economics and Dean of the School of Commerce*.
A.B., 1907 (Guilford); A.B. 1908 (Haverford); M.A., 1915 (Columbia).
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A.B., 1900 (Ohio Wesleyan); A.M., 1909 (Harvard).
- JOHN GROVER BEARD, Ph.G., Ph.M., *Professor of Materia Medica and Dean of the School of Pharmacy*.
Ph.G., 1909 (North Carolina); Ph.M., (Philadelphia College of Pharmacy).
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B.S. in E.E., 1901 (Virginia Polytechnic); E.E., 1909 (Texas Agricultural and Mechanical).
- †EDGAR WALLACE KNIGHT, Ph.D., *Kenan Professor of Education and Director of the Summer Sessions of the Consolidated University*.
A.B., 1909, A.M., 1911 (Trinity); Ph.D., 1913 (Columbia).
- WILLIAM FREDERICK PROUTY, Ph.D., *Professor of Stratigraphic Geology*.
B.S., 1903, M.S., 1904 (Syracuse); Ph.D., 1906 (Johns Hopkins).
- HOWARD WASHINGTON ODUM, Ph.D., LL.D., *Kenan Professor of Sociology*.
A.B., 1904 (Emory); A.M., 1906 (Mississippi); Ph.D., 1909 (Clark); Ph.D., 1910 (Columbia); LL.D. (Emory).
- WILLIAM STANLEY BERNARD, A.M., *Professor of Greek*.
A.B., 1900, A.M., 1904 (North Carolina).

† Absent on leave, 1934-1935.

- JOHN MANNING BOOKER, Ph.D., *Professor of English*.
A.B., 1901 (Johns Hopkins); Ph.D., 1912 (Heidelberg).
- THOMAS FELIX HICKERSON, A.M., S.B., *Professor of Structural Engineering*.
Ph.B., 1904, A.M., 1907 (North Carolina); S.B., 1909 (Massachusetts Institute of Technology).
- WILLIAM WHATLEY PIERSON, Ph.D., *Professor of History and Government and Dean of the Graduate School*.
A.B., 1910, A.M., 1911 (Alabama); A.M., 1912, Ph.D., 1916 (Columbia).
- JOHN FREDERICK DASHIELL, Ph.D., *Kenan Professor of Psychology*.
B.S., 1908, B.L., 1909 (Evansville); A.M., 1910, Ph.D., 1913 (Columbia).
- FRANCIS FOSTER BRADSHAW, Ph.D., *Dean of Students and Lecturer in Ethics*.
A.B., 1916 (North Carolina); M.A., 1926, Ph.D., 1930 (Columbia).
- STURGIS ELLENO LEAVITT, Ph.D., *Professor of Spanish*.
A.B., 1908 (Bowdoin); A.M., 1913, Ph.D., 1917 (Harvard).
- *ROBERT DIGGES WIMBERLY CONNOR, Ph.B., *Kenan Professor of American History and Government*.
Ph.B., 1899 (North Carolina).
- KENT JAMES BROWN, Ph.D., *Professor of German*.
A.B., 1901 (Dickinson); Ph.D., 1905 (Pennsylvania).
- **CLAUDIUS TEMPLE MURCHISON, Ph.D., *Professor of Applied Economics*.
A.B., 1911 (Wake Forest); Ph.D., 1919 (Columbia).
- ROBERT ERVIN COKER, Ph.D., *Professor of Zoölogy*.
S.B., 1896, A.M., 1897 (North Carolina); Ph.D., 1906 (Johns Hopkins).
- **MARION REX TRABUE, Ph.D., *Professor of Educational Administration*.
A.B., 1911 (Northwestern); M.A., 1914, Ph.D., 1915 (Columbia).
- GEORGE MCFARLAND MCKIE, A.M., *Professor of Public Speaking*.
Graduate, 1898 (Emerson College of Oratory); A.B., A.M., 1907 (North Carolina).
- EARLE EWART PEACOCK, A.B., M.B.A., C.P.A., *Professor of Accounting*.
A.B., 1914 (Georgia); M.B.A., 1916 (Harvard); C.P.A., State of North Carolina.
- HARRY WOLVEN CRANE, Ph.D., *Professor of Psychology*.
A.B., 1909, A.M., 1910, Ph.D., 1913 (Michigan).
- ARTHUR MELVILLE JORDAN, Ph.D., *Professor of Educational Psychology*.
A.B., 1907 (Randolph-Macon); A.M., 1909 (Trinity); Ph.D., 1919 (Columbia).

* Resigned, October, 1934.

** Absent on leave, 1934-1935.

- JOHN WAYNE LASLEY, JR., Ph.D., *Professor of Pure Mathematics*.
A.B., 1910, A.M., 1911 (North Carolina); Ph. D., 1920 (Chicago).
- ALLAN WILSON HOBBS, Ph.D., *Professor of Applied Mathematics and Dean of the College of Liberal Arts*.
A.B., 1907 (Guilford); A.B., 1908 (Haverford); Ph.D., 1917 (Johns Hopkins).
- WESLEY CRITZ GEORGE, Ph.D., *Professor of Histology and Embryology*.
A.B., 1911, A.M., 1912, Ph.D., 1918 (North Carolina).
- OTTO STUHLMAN, JR., Ph.D., *Professor of Physics*.
B.A., 1907 (Cincinnati); M.A., 1909 (Illinois); Ph.D., 1911 (Princeton).
- GUSTAVE ADOLPHUS HARRER, Ph.D., *Kenan Professor of Latin*.
A.B., 1910, Ph.D., 1913 (Princeton).
- ERICH WALTER ZIMMERMANN, Ph.D., *Kenan Professor of Economics*.
Student, 1903-1907 (Düsseldorf); Ph.D., 1911 (Bonn).
- ROBERT HASLEY WETTACH, A.M., LL.B., S.J.D., *Professor of Law*.
A.B., 1913, A.M., 1914, LL.B., 1917 (Pittsburgh); S.J.D., 1921 (Harvard).
- GEORGE COFFIN TAYLOR, Ph.D., *Kenan Professor of English*.
A.B., 1897 (South Carolina); A.M., 1899 (Harvard); Ph.D., 1906 (Chicago).
- OSCAR JACKSON COFFIN, A.B., *Professor of Journalism*.
A.B., 1909 (North Carolina).
- WILLIAM JOHN MCKEE, C.E., Ph.D., *Professor of Education in Extension Teaching*.
C.E., 1909 (Cornell); M.A., 1919, Ph.D., 1930 (Columbia).
- EDWARD JAMES WOODHOUSE, B.A., LL.B., *Professor of Government and Public Administration*.
B.A., 1903 (Randolph-Macon); LL.B., 1907 (Virginia).
- ELMER GEORGE HOFER, M.E., *Professor of Mechanical Engineering*.
B.S. in M.E., 1905, M.E., 1915 (Wisconsin).
- WILLIAM FLINT THRALL, Ph.D., *Professor of English*.
A.B., 1901, A.M., 1902 (McKendree); A.M., 1915, Ph.D., 1920 (Chicago).
- *ALBERT COATES, A.B., LL.B., *Professor of Law*.
A.B., 1918 (North Carolina); LL.B., 1923 (Harvard).
- URBAN TIGNER HOLMES, JR., Ph.D., *Professor of Romance Philology*.
A.B., 1920 (Pennsylvania); A.M., 1921, Ph.D., 1923, (Harvard).
- MITCHELL BENNETT GARRETT, Ph.D., *Professor of Modern European History*.
A.B., 1900, A.M., 1903 (Howard); Ph.D., 1910 (Cornell).
- †MILLARD BRECKENRIDGE, Ph.B., LL.B., *Professor of Law*.
Ph.B., 1917 (Chicago); LL.B., 1918 (Yale).

* Absent on leave, second semester, 1934-1935.

† Absent on leave, first semester, 1934-1935.

- FRANK KENNETH CAMERON, Ph.D., *Professor of Chemistry*.
A.B., 1891, Ph.D., 1894 (Johns Hopkins).
- ERNEST RUTHERFORD GROVES, A.B., B.D., *Research Professor of Sociology*.
A.B., 1903 (Dartmouth); B.D., 1907 (Yale).
- HAROLD DIEDRICH MEYER, A.M., *Professor of Sociology and Supervisor of Field Work*.
A.B., 1912, A.M., 1916 (Georgia).
- ENGLISH BAGBY, Ph.D., *Professor of Psychology*.
A.B., 1913, A.M., 1914 (Princeton); Ph.D., 1918 (Johns Hopkins).
- WALLACE EVERETT CALDWELL, Ph.D., *Professor of Ancient History*.
A.B., 1910 (Cornell); Ph.D., 1919 (Columbia).
- MAURICE TAYLOR VAN HECKE, Ph.B., J.D., *Professor of Law and Dean of the School of Law*.
Ph.B., 1916, J.D., 1917 (Chicago).
- HENRY ROLAND TOTTEN, Ph.D., *Professor of Botany*.
A.B., 1913, A.M., 1914, Ph.D., 1923 (North Carolina).
- † HERMAN GLENN BAITY, Sc.D., *Professor of Sanitary and Municipal Engineering and Dean of the School of Engineering*.
A.B., 1917, S.B. in C.E., 1922 (North Carolina); M.S., 1925, Sc.D., 1928 (Harvard).
- JAMES PENROSE HARLAND, Ph.D., *Professor of Archaeology*.
A.B., 1913, Ph.D., 1920 (Princeton).
- RICHARD JUNIUS MENDENHALL HOBBS, A.B., LL.B., *Professor of Business Law*.
A.B., 1909 (Guilford); A.B., 1911 (Haverford); LL.B., 1914 (Columbia).
- KARL HARTLEY FUSSLER, Ph.D., *Professor of Physics*.
A.B., 1909 (Indiana); Ph.D., 1916 (Pennsylvania).
- GEORGE RALEIGH COFFMAN, Ph.D., *Kenan Professor of English*.
A.B., 1903 (Drake); A.M., 1909 (Harvard); Ph.D., 1913 (Chicago).
- JAMES TALMADGE DOBBINS, Ph.D., *Professor of Chemistry*.
A.B., 1911, A.M., 1912, Ph.D., 1914 (North Carolina).
- SAMUEL HUNTINGTON HOBBS, Ph.D., *Professor of Rural Social Economics*.
A.B., 1916, A.M., 1917 (North Carolina); Ph.D., 1929 (Wisconsin).
- DANIEL ALLAN MACPHERSON, Ph.D., *Professor of Bacteriology*.
Ph.B., 1919, Sc.M., 1920 (Brown); Ph.D., 1929 (Chicago).
- JOHN BROOKS WOOSLEY, Ph.D., *Professor of Economics*.
A.B., 1912 (Guilford); A.B., 1913; A.M., 1914 (Haverford); Ph.D., 1931 (Chicago).
- NICHOLSON BARNEY ADAMS, Ph.D., *Professor of Spanish*.
A.B., 1915 (Washington and Lee); M.A., 1920, Ph.D., 1922 (Columbia).

† Absent on leave, 1934-1935, on Federal Public Works Administration.

- LOREN CAREY MACKINNEY, Ph.D., *Professor of Medieval History*.
A.B., 1913 (Lawrence); A.M., 1916 (Wisconsin); Ph.D., 1925 (Chicago).
- GEORGE HOWARD, Ph.D., *Professor of Education in Extension Teaching*.
A.B., 1912 (Davidson); A.M., 1922, Ph.D., 1924 (Columbia).
- HENRY MATTHEW BURLAGE, Ph.D., *Professor of Pharmacy*.
A.B., 1919 (Indiana); A.M., 1921 (Harvard); Ph.G., B.S., in Pharm., 1924 (Purdue); Ph.D., 1927 (Washington).
- WILLIAM JASPER MILLER, E.E., S.M.E.E., *Professor of Electrical Engineering and †Acting-Dean of the School of Engineering*.
E.E., 1915 (Texas); S.M.E.E., 1922 (Mass. Institute of Technology).
- HOWARD RUSSELL HUSE, Ph.D., *Professor of Romance Languages*.
Ph.B., 1913, Ph.D., 1930 (Chicago).
- CORYDON PERRY SPRUILL, JR., A.B., B.Litt.(Oxon.), *Professor of Economics*.
A.B., 1920 (North Carolina); B.Litt., 1922 (Oxford).
- EDWARD TANKARD BROWNE, Ph.D., *Professor of Mathematics*.
A.B., 1915, A.M., 1917 (Virginia); Ph.D., 1926 (Chicago).
- GUSTAV THEODOR SCHWENNING, Ph.D., *Professor of Business Administration*.
B.H., 1920 (Springfield); M.A., 1921, Ph.D., 1925 (Clark).
- GREGORY LANSING PAINE, Ph.D., *Professor of English*.
Ph.B., 1914, A.M., 1920, Ph.D., 1924 (Chicago).
- JOHN NATHANIEL COUCH, Ph.D., *Professor of Botany*.
A.B., 1919, A.M., 1922, Ph.D., 1924 (North Carolina).
- SUSAN GREY AKERS, Ph.D., *Professor of Library Science and Acting-Director of the School of Library Science*.
A.B., 1909 (Kentucky); Ph.D., 1932 (Chicago).
- THOMAS JACKSON WOOFER, JR., *Research Professor in the Institute for Research in Social Science*.
A.B., 1912 (Georgia); Ph.D., 1920 (Columbia).
- CLARENCE HEER, Ph.D., *Research Professor of Economics*.
A.B., 1914 (Rochester); Ph.D., 1926 (Columbia).
- ERNEST LLOYD MACKIE, Ph.D., *Professor of Mathematics*.
A.B., 1917 (North Carolina); A.M., 1920 (Harvard); Ph.D., 1927 (Chicago).
- FREDERICK BAYS MCCALL, A.B., LL.B., *Professor of Law*.
A.B., 1915 (North Carolina); LL.B., 1928 (Yale).
- *HARRY DEMERLE WOLF, Ph.D., *Professor of Economics*.
B.S., 1922 (Kansas State Teachers College); A.M., 1923, Ph.D., 1926 (Chicago).
- EARL KEITH PLYLER, Ph.D., *Professor of Physics*.
B.A., 1917, M.A., 1918 (Furman); M.A., 1923 (Johns Hopkins); Ph.D., 1924 (Cornell).

† During absence of Dean Baity.

* Absent on leave, fall quarter, 1934.

- ROBERT BINGHAM DOWNS, M.S., *Professor of Library Science*.
A.B., 1926 (North Carolina); B.S., 1927, M.S., 1929 (Columbia University School of Library Science).
- ARTHUR E. RUARK, Ph.D., *Professor of Physics*.
A.B., 1921, A.M., 1923, Ph.D., 1924 (Johns Hopkins University).
- GLEN HAYDON, Ph.D., *Professor of Music*.
A.B., 1918, M.A., 1921 (University of California); Ph.D., 1932 (University of Vienna).
- HARDIN CRAIG, Ph.D., *Visiting Professor of English* (winter, 1935).
A.B., 1897 (Centre); A.M., 1899, Ph.D., 1901 (Princeton).
- WILLIAM KENNETH BOYD, Ph.D., *Visiting Professor of History*.
A.B., A.M., (Trinity); Ph.D. (Columbia).
- HUGH TALMADGE LEFLER, Ph.D., *Visiting Professor of History*.
A.B., A.M. (Trinity); Ph.D. (Pennsylvania).
- ROBERT BAKER LAWSON, M.D., *Associate Professor of Applied Anatomy and Director of the Gymnasium*.
Student, 1897-1900 (North Carolina); M.D., 1902 (Maryland).
- ARTHUR SIMEON WINSOR, Ph.D., *Associate Professor of Mathematics*.
A.B., 1914, A.M., 1915 (Mount Allison); Ph.D., 1927 (Johns Hopkins).
- FLOYD HARRIS EDMISTER, Ph.D., *Associate Professor of Chemistry*.
B.S., 1912 (Syracuse); M.S., 1913 (Louisiana State); Ph.D., 1918 (Syracuse).
- MALCOLM DEAN TAYLOR, A.B., M.B.A., *Associate Professor of Marketing*.
A.B., 1920 (Oberlin); M.B.A., 1923 (Harvard).
- ERNST CHRISTIAN PAUL METZENTHIN, Ph.D., *Associate Professor of German*.
A.M., 1913 (Pennsylvania State); Ph.D., 1915 (Pennsylvania).
- WILEY BRITTON SANDERS, Ph.D., *Associate Professor of Public Administration*.
A.B., 1919 (Emory College); A.M., 1920 (Emory University); A.M., 1921 (North Carolina); Ph.D., 1929 (Chicago).
- SHIPP GILLESPIE SANDERS, A.M., *Associate Professor of Latin*.
A.B., 1909 (Southwestern); A.M., 1915 (Princeton).
- JOE BURTON LINKER, Ph.D., *Associate Professor of Mathematics*.
A.B., 1918, A.M., 1920 (North Carolina); Ph.D., 1924 (Johns Hopkins).
- JOSEPH MERRITT LEAR, M.A., *Associate Professor of Insurance*.
A.B., 1900, A.M., 1902 (Randolph-Macon); M.A., 1915 (Columbia).
- CARLETON ESTEY PRESTON, Ph.D., *Associate Professor of the Teaching of Science*.
A.B., 1899, A.M., 1900, Ph.D., 1902 (Harvard).
- PRESTON COOKE FARRAR, M.A., *Associate Professor of the Teaching of English*.
A.B., 1891 (Washington and Jefferson); M.A., 1904 (Columbia).

HUGO GIDUZ, A.B., *Associate Professor of the Teaching of French.*
A.B., 1905 (Harvard).

HERMAN HENRY STAAB, M.A., *Associate Professor of Romance Languages.*

B.A., M.A., 1912 (University of the South).

ALMONTE CHARLES HOWELL, Ph.D., *Associate Professor of English.*
A.B., 1917 (Denison); M.A., 1920 (Columbia); Ph.D., 1924 (North Carolina).

† WILLIAM DOUGALD MACMILLAN III, Ph.D., *Associate Professor of English.*

A.B., 1918, A.M., 1920, Ph.D., 1925 (North Carolina).

MILTON SYDNEY HEATH, A.M., *Associate Professor of Economics.*
A.B., 1920 (Kansas); A.M., 1924 (Harvard).

HOWARD FREDERICK MUNCH, A.M., *Associate Professor of the Teaching of Mathematics.*

B.S., 1904 (Adrian College); A.M., 1926 (Chicago).

ROY WILLIAM MORRISON, Ph.D., *Associate Professor of Education in Extension Teaching.*

A.B., 1916 (Davidson); Ph.D., 1928 (North Carolina).

GEORGE WALLACE SMITH, M.S.E., *Associate Professor of Engineering.*
S.B. in E.E., 1916 (North Carolina); M.S.E. in C.E., 1932 (Michigan).

RALPH MCCOY TRIMBLE, C.E., S.M., *Associate Professor of Civil Engineering.*

C.E., 1921 (Virginia); S.M., 1927 (North Carolina).

CHARLES DALE BEERS, Ph.D., *Associate Professor of Zoölogy.*
A.B., 1921, A.M., 1922 (North Carolina); Ph.D., 1925 (Johns Hopkins).

† PAUL ELLIOTT GREEN, A.B., *Associate Professor of Philosophy.*
A.B., 1921 (North Carolina).

KEENER CHAPMAN FRAZER, A.M., *Associate Professor of Government.*
A.B., 1920 (Wofford); A.M., 1921 (North Carolina).

HORACE DOWNS CROCKFORD, Ph.D., *Associate Professor of Chemistry.*
B.S., 1920 (N. C. State College of Agriculture and Engineering); S.M., 1923, Ph.D., 1926 (North Carolina).

JOHN CORIDEN LYONS, Ph.D., *Associate Professor of French.*
B.S., 1920, M.A., 1921 (William and Mary); Ph.D., 1927 (North Carolina).

* THOMAS SMITH McCORKLE, B.Mus., *Associate Professor of Music.*
B.Mus., 1920 (Texas W. C. Conservatory).

ALFRED McLAREN WHITE, Sc.D., *Associate Professor of Chemical Engineering.*
B.S.E., 1925 (Michigan); M.S., 1926 (California); Sc.D., 1928 (Michigan).

† Absent on leave, 1934-1935.

* Absent on leave, fall quarter, 1934.

- ARTHUR PALMER HUDSON, Ph.D., *Associate Professor of English*.
B.S., 1913, M.A., 1920 (Mississippi); M.A., 1925 (Chicago); Ph.D., 1930 (North Carolina).
- ESTON EVERETT ERICSON, Ph.D., *Associate Professor of English*.
B.A., 1923 (Montana); M.A., (Maryland); Ph.D., 1928 (Johns Hopkins).
- FRANK WILLIAMS HANFT, A.B., S.J.D., *Associate Professor of Law*.
LL.B., 1924, A.B., 1929, LL.M., 1929 (Minnesota); S.J.D., 1931 (Harvard).
- EVANS WILLIAM MCCHESENEY, Ph.D., *Associate Professor of Biological Chemistry*.
S.B., 1926, M.S., 1928 (Chicago); Ph.D., 1931 (Northwestern).
- IRA WINFIELD ROSE, Ph.G., *Associate Professor of Practical Pharmacy*.
Ph.G., 1906 (North Carolina).
- CHARLES PHILLIPS RUSSELL, A.B., *Associate Professor of English*.
A.B., 1904 (North Carolina).
- GERALD RALEIGH MACCARTHY, Ph.D., *Associate Professor of Geology*.
A.B., 1921 (Cornell); A.M., 1924, Ph.D., 1926 (North Carolina).
- *PAUL WOODFORD WAGER, Ph.D., *Associate Professor of Rural Social Economics*.
B.S., 1917 (Hobart College); A.M., 1920 (Haverford); Ph.D., 1927 (North Carolina).
- MARION LEE JACOBS, Ph.G., M.Sc., *Associate Professor of Pharmaceutical Chemistry*.
Ph.G., 1920 (North Carolina); M.Sc., 1926 (Nebraska).
- STEPHEN ALBERT EMERY, Ph.D., *Associate Professor of Philosophy*.
A.B., 1923, Ph.D., 1928 (Cornell).
- WIRTH FITCH FERGER, Ph.D., *Associate Professor of Economics*.
B.A., 1919 (Wisconsin); M.A., 1920 (Columbia); M.A., 1926, Ph.D., 1931 (Wisconsin).
- RALPH STEELE BOGGS, Ph.D., *Associate Professor of Spanish*.
Ph.B., 1926, Ph.D., 1930 (Chicago).
- ROY MELTON BROWN, Ph.D., *Associate Professor of Public Administration*.
A.B., 1906, A.M., 1921, Ph.D., 1929 (North Carolina).
- GRANT LESTER DONNELLY, A.B. in Educ., M.D., *Associate Professor of Pharmacology*.
A.B. in Educ., 1929 (North Carolina); M.D., 1933 (Duke).
- GUY BENTON JOHNSON, Ph.D., *Research Associate in the Institute for Research in Social Science*.
A.B., 1921 (Baylor); A.M., 1922 (Chicago); Ph.D., 1927 (North Carolina).

* Absent on leave, 1934-1935.

- RUPERT BAYLES VANCE, Ph.D., *Research Associate in the Institute for Research in Social Science.*
A.B., 1920 (Henderson-Brown); A.M., 1921 (Vanderbilt); Ph.D., 1928 (North Carolina).
- HARRIET LAURA HERRING, A.M., *Research Associate in the Institute for Research in Social Science.*
A.B., 1913 (Meredith); A.M., 1918 (Radcliffe).
- KATHARINE JOCHER, Ph.D., *Research Associate in and Assistant Director of the Institute for Research in Social Science.*
A.B., 1922 (Goucher); A.M., 1923 (Pennsylvania); Ph.D., 1929 (North Carolina).
- BEN HUSBANDS, A.B., *Associate Registrar.*
A.B., 1927 (North Carolina).
- MICHAEL ARENDELL HILL, JR., A.M., *Associate Professor of Mathematics.*
A.B., 1920, A.M., 1921 (North Carolina).
- RALPH WALTON BOST, Ph.D., *Associate Professor of Chemistry and Acting-Dean of the School of Applied Science.*
A.B., 1923 (Newberry); A.M., 1924, Ph.D., 1928 (North Carolina).
- JAMES GILBERT EVANS, M.A., *Associate Professor of Economics.*
A.B., 1921 (Simpson); M.A., 1924 (Illinois).
- *RAYMOND WILLIAM ADAMS, Ph.D., *Associate Professor of English.*
A.B., 1920 (Beloit); A.M., 1921, Ph.D., 1928 (North Carolina).
- RICHMOND PUGH BOND, Ph.D., *Associate Professor of English.*
A.B., 1920 (Vanderbilt); A.M., 1923, Ph.D., 1929 (Harvard).
- ROBERT HOWARD SHERRILL, M.A., C.P.A., *Associate Professor of Accounting.*
S.B.Comm., 1925 (North Carolina); M.A., 1927 (Columbia); C.P.A., State of North Carolina.
- STERLING AUBREY STOUDEMIRE, Ph.D., *Associate Professor of Spanish.*
A.B., 1923, A.M., 1924, Ph.D., 1930 (North Carolina).
- AUGUSTUS STEELE ROSE, M.D., *Associate Professor of Anatomy.*
B.S. in Med., 1930 (North Carolina); M.D., 1932 (Harvard).
- EDWARD MORRIS BERNSTEIN, Ph.D., *Visiting Associate Professor of Business Administration.*
Ph.B. (Chicago); A.M., Ph.D. (Harvard).
- GEORGE KENNETH GRANT HENRY, Ph.D., *Assistant Registrar.*
A.B., 1900, A.M., 1904 (Hamilton); Ph.D., 1914 (North Carolina).
- †JOHN MINOR GWYNN, A.M., *Assistant Professor of the Teaching of Latin.*
A.B., 1918, A.M., 1927 (North Carolina).

* Absent on leave, 1934-1935.

† Absent on leave, 1934-1935.

ARNOLD KIMSEY KING, A.B. in Educ., A.M., *Assistant Professor of the Teaching of History.*

A.B. in Educ., 1925 (North Carolina); A.M., 1927 (Chicago).

*ROLAND PRINCE McCLAMROCH, Ph.D., *Assistant Professor of English.*

A.B., 1920, A.M., 1922, Ph.D., 1927 (North Carolina).

WILLIAM ANDERSON OLSEN, A.M., *Assistant Professor of English.*

A.B., 1923 (Cornell); A.M., 1928 (North Carolina).

NELSON OTIS KENNEDY, Mus.B., *Assistant Professor of Music.*

Mus.B., 1923 (Knox College Conservatory); Mus.B., 1926 (American Conservatory).

LEE MARSHALL BROOKS, Ph.D., *Assistant Professor of Sociology.*

A.B., 1925 (Boston); A.M., 1926, Ph.D., 1929 (North Carolina).

GRACE PENN WOODMAN, *Assistant Professor of Music Education in Extension Teaching.*

SAMUEL SELDEN, A.B., *Assistant Professor of English and Associate Director of the Carolina Playmakers.*

A.B., 1922 (Yale).

CHARLES CHRISTOPHER CRITTENDEN, Ph.D., *Assistant Professor of History.*

A.B., 1921, A.M., 1922 (Wake Forest); Ph.D., 1930 (Yale).

WILLIAM SUMNER JENKINS, LL.B., Ph.D., *Assistant Professor of Government.*

A.B., 1924, A.M., 1925, Ph.D., 1927, LL.B., 1931 (North Carolina).

VINTON ASBURY HOYLE, Ph.D., *Assistant Professor of Mathematics.*

A.B., 1924, A.M., 1925 (North Carolina); Ph.D., 1930 (Princeton).

GLADYS ANGEL BEARD, M.A., *Assistant Professor of Health and Physical Education in Extension Teaching and Director of Physical Education for Women.*

B.S., 1923, M.A., 1930 (Teachers College, Columbia).

LOFTON LEROY GARNER, A.M., *Assistant Professor of Mathematics.*

A.B., 1925, A.M., 1927 (North Carolina).

CHARLES BASKERVILLE ROBSON, Ph.D., *Assistant Professor of Government.*

A.B., 1919 (Davidson); A.M., 1924 (Princeton); Ph.D., 1930 (North Carolina).

WILLIAM LEON WILEY, Ph.D., *Assistant Professor of French.*

A.B., 1921 (Chattanooga); A.M., 1925, Ph.D., 1930 (Harvard).

NORA BEUST, A.M., *Assistant Professor of Library Administration.*

B.A., 1922 (Wisconsin); A.M., 1930 (North Carolina).

JAMES HARMON CHADBOURNE, A.B., J.D., *Assistant Professor of Law.*

A.B., 1926 (The Citadel); J.D., 1931 (North Carolina).

* Absent on leave, fall and winter quarters, 1934-1935.

- ROBERT BOIES SHARPE, Ph.D., *Assistant Professor of English*.
B.A., 1918 (Wesleyan); 1923 (Wisconsin); Ph.D., 1928 (Yale).
- LUCILE KELLING, B.L.S., *Assistant Professor of Library Science*.
A.B., 1917 (Whitman); B.L. S., 1921 (New York State Library School).
- SAMUEL THOMAS EMORY, A.M., *Assistant Professor of Geology*.
A.B., 1921 (Randolph-Macon); A.M., 1931 (Columbia).
- HARRY KITSUN RUSSELL, Ph.D., *Assistant Professor of English*.
A.B., 1923 (Davidson); A.M., 1928, Ph.D., 1931 (North Carolina).
- COLIN CARMICHAEL, S.M. in M.E., *Assistant Professor of Mechanical Engineering*.
B.Sc., 1926 (Glasgow); S.M. in M.E., 1934 (North Carolina).
- EARL ANDERSON SLOCUM, B.Mus., *Assistant Professor of Music*.
B.Mus., 1931 (Michigan).
- JOHN ELDON MULDER, LL.M., *Assistant Professor of Law*.
A.B., 1928 (Iowa); LL.B., 1931 (Wisconsin); LL.M., 1933 (Columbia).
- EDWIN CARLYLE MARKHAM, Ph.D., *Assistant Professor of Chemistry*.
A.B., 1923 (Trinity); Ph.D., 1927 (Virginia).
- JOHN WARFIELD HUDDLE, Ph.D., *Assistant Professor of Geology*.
B.S., 1929 (Northwestern); Ph.D., 1934 (Indiana).
- CARL W. BORGMANN, Ph.D., *Acting-Assistant Professor of Chemical Engineering*.
B.S., 1927, Ch.E., 1931 (Colorado); Ph.D., 1934 (Cambridge).
- GEORGE HAROLD LAWRENCE, A.M., *Supervisor of Field Social Work*.
A.B., 1919 (Columbia); A.M., 1928 (North Carolina).
- JOHN LEROY SMITH, A.M., *Instructor in French*.
A.B., 1917, A.M., 1924 (North Carolina).
- THOMAS EWELL WRIGHT, A.M., *Instructor in French*.
A.B., 1922, A.M., 1926 (North Carolina).
- JAMES OSLER BAILEY, Ph.D., *Instructor in English*.
A.B., 1924, A.M., 1927, Ph.D., 1934 (North Carolina).
- ROBERT WHITE LINKER, Ph.D., *Instructor in French*.
A.B., 1925, A.M., 1928, Ph.D., 1933 (North Carolina).
- WILLIAM LESTER WILSON, A.M., *Instructor in English*.
A.B., 1921 (Piedmont); A.M., 1928 (North Carolina).
- JOHN ERWIN CARROLL, JR., A.M., *Instructor in Romance Languages*.
B.S., 1923 (The Citadel); A.M., 1928 (North Carolina).
- ARTHUR RUSSELL HOLLETT, S.M.E., *Instructor in Engineering*.
S.B. in Civ. Eng'g., 1928, S.M. in C.E., 1933 (North Carolina).
- RAYMOND FRANKLIN STAINBACK, S.M.E., *Instructor in Electrical Engineering*.
S.B. in Elec. Eng'g., 1926, S.M.E., 1931 (North Carolina).
- REX SHELTON WINSLOW, A.M., *Instructor in Economics*.
A.B., 1923 (Simpson); A.M., 1929 (Illinois).

- EDWARD ALEXANDER CAMERON, A.M., *Instructor in Mathematics*.
A.B., in Educ., 1928, A.M., 1929 (North Carolina).
- EDWIN WEEMS WINKLER, B.S. in E.E., *Instructor in Engineering*.
B.S. in E.E., 1928 (Montana State).
- WILLIAM MILTON McLEOD, Ph.D., *Instructor in French*.
A.B., 1921 (Wofford); A.M., 1930, Ph.D., 1933 (North Carolina).
- IRVING LEE MARTIN, S.M., *Instructor in Geography and Geology*.
S.B. in Geology, 1927, S.M., 1928 (North Carolina).
- *VANCOURTLANDT ELLIOTT, Ph.D., *Instructor in Latin*.
A.B., 1928 (Bowdoin); A.M., 1929, Ph.D., 1932 (North Carolina).
- CARL HAMILTON PEGG, Ph.D., *Instructor in History*.
A.B., 1927, A.M., 1927, Ph.D., 1929 (North Carolina).
- THOMAS PASTEUR NOE, JR., S.M.E., *Instructor in Civil Engineering*.
A.B., 1926 (Univ. of the South); S.B. in C.E., 1928, S.M. in Civ. Eng'g., 1930 (North Carolina).
- CECIL JOHNSON, Ph.D., *Instructor in History*.
A.B., 1922 (Mississippi College); M.A., 1924 (Virginia); Ph.D., 1932 (Yale).
- HARRY ELLERBE DAVIS, A.B., *Instructor in English and Assistant Director of the Carolina Playmakers*.
A.B., 1927 (South Carolina).
- JOSIAH COX RUSSELL, Ph.D., *Instructor in History*.
A.B., 1922 (Earlham); A.M., 1923, Ph.D., 1926 (Harvard).
- THOMAS HENDERSON BYRNES, B.S., M.D., *Instructor in Pathology*.
B.S., 1922 (Clemson); M.D., 1926 (Medical College of South Carolina).
- WILBURN PHILIP SMITH, M.A., *Instructor in Spanish*.
A.B., 1920 (Georgia); M.A., 1923 (Emory).
- *HIRAM HARVEY BRITT, M.A., *Instructor in History*.
B.Ph., 1928, M.A., 1930 (Emory).
- CECIL GRADY TAYLOR, A.M., *Instructor in French*.
A.B. in Ed., 1929, A.M., 1930 (North Carolina).
- MENO HANS SPANN, Ph.D., *Instructor in German*.
Ph.D., 1928 (Marburg).
- GEORGE FREDERICK HORNER, M.A., *Instructor in English*.
B.A., 1921, M.A., 1924 (Pennsylvania State College).
- GEORGE FRANK SENSABAUGH, Ph.D., *Instructor in English*.
B.A., 1928 (Vanderbilt); A.M., 1930, Ph.D., 1934 (North Carolina).
- ROBERT LEE GARRETT, A.M., *Instructor in Mathematics*.
B.S., 1926 (Georgia); A.M., 1930 (North Carolina).
- CLAUDE JACKSON CRAVEN, A.M., *Instructor in Physics*.
A.B. in Educ., 1931, A.M., 1933 (North Carolina).
- FRED HOBSON ARNOLD, M.A., *Instructor in Economics*.
B.S., 1925, M.A., 1928 (Peabody).

* Resigned, December, 1934.

- FREDERICK EDWARD COENEN, A.M., *Instructor in German*.
A.B., 1928, A.M., 1930 (Arizona); Student, University of Cologne, 1931-1932.
- MILTON HOWARD WILLIAMS, A.M., *Instructor in Philosophy*.
A.B., 1931 (Wesleyan); A.M., 1932 (North Carolina).
- CHARLES EDWARD FELTNER, S.M.E., *Instructor in Engineering*.
B.S. in C.E., 1928 (Va. Poly. Inst.); S.M. in C.E., 1934 (North Carolina).
- FRANCIS CLEMENT HAYES, M.A., *Instructor in Spanish*.
A.B., 1928 (North Carolina); M.A., 1930 (Columbia).
- HERMAN EVERETTE SPIVEY, A.M., *Instructor in English*.
A.B., 1928, A.M., 1929 (North Carolina).
- HENRY GRADY MILLER, *Instructor in Music*.
- DAVID KIRBY SPELT, A.B., *Instructor in Psychology*.
A.B., 1930 (Haverford).
- DONALD DELOS WICKENS, A.M., *Instructor in Psychology*.
A.B., 1931 (Centre); A.M., 1933 (North Carolina).
- SAMUEL WILLIAMS JOHN WELCH, S.B., *Instructor in Psychology*.
S.B., 1926 (M. I. T.).
- HARRY MORTIMER DOUTY, M.A., *Instructor in Economics*.
A.B., 1932, M.A., 1932 (Duke).
- CHARLES MEEKS ANDERSON, M.A., *Instructor in Economics*.
A.B., 1916, M.A., 1916 (Johnson Bible College); M.A., 1918 (Michigan).
- JAMES ROBERT MARVIN, S.B. in E.E., *Instructor in Engineering*.
S.B. in E.E., 1933 (North Carolina).
- JOHN ALLAN McLEAN, S.B. in M.E., *Instructor in Engineering*.
S.B. in M.E., 1933 (North Carolina).
- JOHN CHARLES GEYER, M.S.E., *Instructor in Engineering*.
B.S. in C.E. (Michigan); M.S. in C.E. (Harvard).
- ARNOLD LEDGERWOOD WILLIAMS, *Instructor in English*.
A.B., 1929 (Notre Dame); A.M., 1930 (North Carolina).
- NEWTON DEUEL HOLBROOK III, *Instructor in German*.
A.B., 1930, A.M., 1932 (Vanderbilt).
- ABRAM GUSTAVUS BAYROFF, Ph.D., *Instructor in Psychology*.
A.B., 1927 (New York); M.A., 1929, Ph.D., 1931 (North Carolina).
- WALTER DEVEREAUX CREECH, M.A., *Instructor in French*.
A.B., 1928, A.M., 1930 (North Carolina); Certificates, University of Lyons (1932), University of Bordeaux (1933).
- DAN LACY, A.B., *Instructor in History*.
A.B., 1933 (North Carolina).
- JOHN WILLIAM PARKER, A.B. in Educ., *Instructor in Dramatic Arts in Extension*.
A.B. in Educ., 1930 (North Carolina).

BENSON WILLIS DAVIS, A.B., *Instructor in Latin*.
A.B., 1929 (North Carolina).

THOMAS GRANT HARBISON, *Curator in the Department of Botany*.
B.S., 1887, Ph.D., 1889 (National University).

JOSEPH MANSON VALENTINE, *Curator, Museum of Natural History*.
B.A., 1923, Ph.D., 1928 (Yale).

*EDWIN MARVIN PERKINS, J.D., *Lecturer on Taxation in the Law School*.
A.B., 1929, J.D., 1933 (North Carolina).

WILLIAM ROWE WEAVER, A.M., *Instructor in Spanish*.
A.B., 1929 (Davidson College); A.M., 1934 (North Carolina).

HOWARD MOVESS NAHIKIAN, A.M., *Instructor in Mathematics*.
A.B., 1933, A.M., 1934 (North Carolina).

RESEARCH ASSISTANTS, 1934-35

ALMA HOLLAND, A.B., *Research Assistant in Botany*.

*JOHN AUGUSTUS KLEEMEIER, JR., S.B. in Comm., *Research Assistant in Law*.

†HARRY WOODROW MCGALLIARD, A.B., *Research Assistant in Law*.

JOEL BARBER ADAMS, A.B., *Research Assistant in Law*.

EMMETT CLIVE WILLIS, JR., A.B., *Research Assistant in Law*.

LUCILLE MARSHALL ELLIOTT, A.B., *Research Assistant in Law*.

EDWIN MARVIN PERKINS, J.D., *Research Assistant in the Institute for Research in Social Science*.

ROBIN HOOD, A.M., *Junior Research Assistant in the Institute for Research in Social Science*.

GORDON WILLIAMS BLACKWELL, A.M., *Junior Research Assistant in the Institute for Research in Social Science*.

BENJAMIN BURKS KENDRICK, JR., A.M., *Junior Research Assistant in the Institute for Research in Social Science*.

DAVID ALEXANDER LOCKMILLER, A.B., LL.B., *Junior Research Assistant in the Institute for Research in Social Science*.

TEACHING FELLOWS, 1934-35

JOHN ROBERT RAPER, A.B.	Botany
ALLEN LEANDER ALEXANDER, S.M.	Chemistry
GRANVIL CHARLES KYKER, B.S.	Chemistry
WILLIAM WALDO WILLIAMS, S.M.	Chemistry

* Appointed for first semester.

† Appointed for second semester.

ALBERT IRVING SUSKIN, A.M.....	Classics
JOHN BERRY McFERRIN, JR., A.M.....	Economics and Commerce
FRANCIS SIDNEY WILDER, A.M.....	Economics and Commerce
HUGH PRESTON SMITH, M.A.....	Education
FREDERICK EUGENE CULVERN, B.S. in C.E.....	Engineering
*JAMES EDMUND CONGLETON, M.A.....	English
**MONROE JOHNSON HAGOOD, A.M.....	English
ERNEST HAYNES COX, M.A.....	English
*CHARLES LEONARD PITTMAN, A.M.....	English
**MARTIN STAPLES SHOCKLEY, A.M.....	English
RICHARD ARCHER EDWARDS, A.M.....	Geology
CARL HAMMER, JR., A.B.....	German
JOHN ALEXANDER McGEACHY, JR., A.B.....	History and Government
BENNETT HARRISON WALL, A.B.....	History and Government
JOHN POTTER TORIAN, A.M.....	Mathematics
CHARLES CURTIS WILLIAMS, A.B.....	Mathematics
ERNEST SCOTT BARR, A.M.....	Physics
HARRY VOORHIES BICE, B.A.....	Psychology
ALFRED GARVIN ENGSTROM, A.B.....	Romance Languages
ROBERT ERVIN COKER, JR., A.B.....	Romance Languages
WILLIAM ALBERT McKNIGHT, B.S.....	Romance Languages
HARRY ESTILL MOORE, M.A.....	Sociology
LYLE LYNDON WILLIAMS, A.M.....	Zoölogy

STUDENT ASSISTANTS, 1934-35

JAMES WORKMAN CULBERTSON, A.M.....	Anatomy
RUBY RICE, M.S.....	Botany
WILLARD CHAPPELL HEWITT.....	Botany
WALTER LANE BARKSDALE.....	Botany
JOHN FREDERICK MUNCH.....	Botany
JAMES ARTHUR DOUBLES.....	Botany
ROBERT HERSCHEL BELCHER, S.M.....	Chemistry
EDWARD BRENNER, S.M. in Ch.E.....	Chemistry
HENRY O. FARR, M.S.....	Chemistry
DAN FORE, JR., A.M.....	Chemistry
JOSEPH NISBET LeCONTE, Ph.D.....	Chemistry
JAMES CARR LOFTIN, B.S.....	Chemistry
JAMES FRANK NICHOLSON, B.S.....	Chemistry
***BRUCE SCOTT OLD.....	Chemistry
ELMER CROMWELL POWELL, JR., S.B. in Chem.....	Chemistry
NORWOOD LEE SIMMONS, JR., S.B. in Chem.....	Chemistry
†W. G. SINK, A.B.....	Chemistry

* Appointed for spring quarter.

** Resigned, March, 1935.

*** Appointment for spring quarter.

† Appointment for fall and winter quarters.

LAURA CORBETT THOMAS, S.M.	Chemistry
PRISCILLA HENRYANNA WHITE, B.S.	Chemistry
CLEMENT HAROLD DONOVAN, B.S.	Commerce
WILLIAM CLAUDE BARFIELD	Economics
FRANCIS HILLIARD FAIRLEY	Economics
JOHN WADSWORTH GUNTER	Economics
JAMES WEAVER KIRKPATRICK	Economics
LEVIN DAVID LYNCH III	Economics
CLYDE IRWIN WILLIAMS	Economics
EARL HORACE HARTSELL	Education
WYATT HAMILTON MCNAIRY	Engineering
ANDREW JOHN MAHLER, M.A.	English
MAURICE AUGUSTUS MOORE, JR., A.M.	English
DALMA ADOLPH BROWN, A.M.	English
JAMES EDMOND CONGLETON, M.A.	English
NATHANIEL HARDING HENRY, A.M.	English
JAMES KESTER SVENDSEN, A.B.	English
JAMES HOWELL, A.B.	English
BURTON ALVIERE MILLIGAN, M.A.	English
DENNIS LORIN MURPHY, A.M.	English
MARTIN STAPLES SHOCKLEY, M.A.	English
JAMES HUNT WISHART, M.A.	English
HARRISON WILSON STRALEY III	Geology
GEORGE WALLACE CHANDLER, JR., A.B.	Gymnasium
JULIUS POE JENRETTE	Gymnasium
WALTER RUFUS GROOVER	Gymnasium
ALEXANDER TAYLOR EDELMAN, A.B.	History and Government
H. DALE ROTH, B.S. in Pharm.	Pharmacy
LOAMIE GILBERT, JR.	Pharmacy
WILLIAM THOMAS GLASS, JR.	Pharmacy
WILLIAM CLYON LEWIS	Pharmacy
ARCHIE EDWARD MILLIS	Pharmacy
SHERWOOD GITHENS, JR., A.M.	Physics
WILLIAM LAMONT SMITH, A.B.	Physics
NESTORE DI COSTANZO, A.B.	Physics
WALTER GORDY, A.B.	Physics
EDITH WLADKOWSKI, B.S.	Psychology
CHARLES WILLIS SENSENBACK	Zoölogy
MILDRED IRENE BOLIEK, A.M.	Zoölogy
GEORGE CATLETT ROWE	Zoölogy
EUGENE PLEASANTS ODUM, A.B.	Zoölogy

** Resigned, March, 1935.

*** Appointed for spring quarter.

FACULTY COMMITTEES

The President and the Dean of Administration are members *ex officio* of all committees.

ADVISORY (*elected with terms expiring the year indicated*). 1935: Professors MacNider, Harrer, Knight; 1936: Professors Carroll, Odum, Howe; 1937: Professors N. B. Adams, A. W. Hobbs, G. C. Taylor.

EXECUTIVE (*elected with terms expiring the year indicated*). 1935: Professors Spruill, Chairman, Wettach; 1936: Professors Fussler, Totten; 1937: Professors R. J. M. Hobbs, Linker.

ATHLETICS. Professors A. W. Hobbs, Chairman, Baity, Wolfe.

BIOLOGICAL SCIENCE COURSE. Professors H. V. Wilson, Chairman, Beers, W. C. Coker, Couch, Dashiell, George.

BULL'S HEAD BOOKSHOP. Professor Coffman, Chairman, Messrs. Comer, W. T. Couch, Hinson, Professors Downs, Jenkins, Jordan, Paine, Vance, Wolf, Woodhouse.

CHAPEL. Professors Bradshaw, Chairman, Bernard, Carroll, House, Mangum, Meyer, Mr. Comer.

COMPILATION OF UNIVERSITY REGULATIONS. Professors Howell, Chairman, Jenkins, Olsen.

COÖPERATION WITH THE ALUMNI. Professors Bernard, Bradshaw, Coates.

COST OF LIVING. Professors Carroll, Chairman, Ferger, Heer, S. H. Hobbs, M. D. Taylor, Woofter.

DEBATES. Professors Bernard, Coates, McKie, Williams.

DRAMATICS. Professors Koch, Chairman, Howe, McKie, Wheeler.

ENGLISH COMPOSITION. Professors Totten, Chairman, R. W. Adams, Secretary, N. B. Adams, Bagby, Beard, Coffin, Coffman, Farrar, Ferger, Fussler, McCall, McCarthy, H. K. Russell, W. B. Sanders, Thrall, Wheeler, H. V. Wilson, Dr. Cecil Johnson.

FACT-FINDING. Professors Trabue, Chairman, Totten (Temporary Chairman), Bagby, Bradshaw, Mackie, Spruill, Stoudemire, Woofter.

FACULTY CLUB. Professors Coffman, Chairman, Bagby, McKie, Wheeler, White, Dr. R. W. Linker, Mr. Noe.

FINE ARTS. Professors Howe, Chairman, Bernard, Booker, Harland, Holmes, Koch.

FOREIGN STUDY. Professors Dey, Chairman, Harrer, Leavitt, Pier-son, Mr. Grumman.

FRATERNITIES. Professors Dey, Chairman, Bernard, Bradshaw, Carroll, Lyons, Peacock, T. J. Wilson, Jr.

GROUNDS, BUILDINGS, FIELDS, FORESTS, AND LAKE AREA. Professors W. C. Coker, Chairman, Baity, Booker, MacNider, Odum, Wheeler, Mr. Woollen.

HEALTH AND SANITATION. Professors Berryhill, Chairman, Bullitt, Mr. Woollen.

HOLT SCHOLARSHIPS. Professors A. W. Hobbs, Chairman, Baity, Bost, Bradshaw, Carroll, Noble, Walker, Mr. Comer.

INFIRMARY. Doctors Manning, Chairman, Mangum, MacNider.

INTELLECTUAL COÖPERATION WITH DUKE UNIVERSITY. Professors Odum, Chairman, W. C. Coker, Downs, Knight, VanHecke.

JUNIOR COLLEGES. Professors Trabue, Chairman, Carroll, T. J. Wilson, Jr.

LIBRARY BOOK COMMITTEE. Professors Downs, Chairman, Bernard, Dey, Henderson, MacKinney, MacMillan, H. V. Wilson.

LIBRARY BUDGET. Professors Downs, Chairman, Baity, Beard, Carroll, A. W. Hobbs, Manning, Pierson, VanHecke, Walker.

LOAN FUNDS. Professors Bradshaw, Chairman, Carroll, House, Messrs. Grisette, Rogerson, Saunders.

McNAIR LECTURES. Professors Williams, Chairman, Harrer, Henderson, MacNider.

MEDICAL CARE. Professors N. B. Adams, Chairman, Harrer.

MEDICAL DISPENSARY. Professors Beard, Chairman, Berryhill, MacNider, Rose, Mr. Woollen.

MUSICAL AND DRAMATIC ACTIVITIES. Professors A. W. Hobbs, Chairman, Howe, Koch.

PUBLIC LECTURES. Professors A. W. Hobbs, Chairman, W. C. Coker, Henderson, MacNider.

PUBLIC OCCASIONS AND CELEBRATIONS. Professors Bradshaw, Hamilton, Henderson, Howe, Knight, Koch, McCorkle, Mangum, Wheeler, Messrs. Saunders, Woollen.

REGISTRATION. Deans House, Wilson, the Undergraduate Deans, Mr. Husbands.

REGULATION OF STUDENT DANCES. Professors Bernard, Chairman, R. E. Coker, Dey.

RHODES SCHOLARSHIPS. Professors A. W. Hobbs, Chairman, Bradshaw, House, Howe, Spruill, T. J. Wilson, Jr., Mr. Comer.

SCHOLARSHIPS. Professors House, Chairman, Baity, Bost, Bradshaw, Carroll, A. W. Hobbs, T. J. Wilson, Jr., Messrs. Lanier, Woollen.

SELF-HELP. Mr. Comer, Chairman, Professors Bradshaw, A. W. Hobbs, House, Messrs. Burch, Harmon, Lanier, Saunders, Woollen.

SOCIAL SCIENCE COURSE. Professors Carroll, Chairman, MacKinney, Odum, Pierson, Robson, Spruill, Vance.

STUDENT ENTERTAINMENT. Professors Harland, Chairman, Haydon, Koch, with Student representatives of the College of Liberal Arts and the School of Commerce.

STUDENT-FACULTY DAY. Professors Bernard, Bradshaw, Dey, Harland, A. W. Hobbs, Mackie, MacNider, Woodhouse.

STUDENT FEES. Professors Pierson, Chairman, Bradshaw, Carroll, A. W. Hobbs.

STUDENT LIFE AND ACTIVITIES. Professors Bradshaw, Chairman, Bernard, Booker, Caldwell, Meyer.

STUDENT MORTALITY. Professors Trabue, Chairman, Bradshaw, Dashiell, Jordan, Lasley, T. J. Wilson, Jr.

SULLIVAN AWARD. Professors Bradshaw, A. W. Hobbs, House.

SURVEY OF COURSES. Professors Carroll, Chairman, Knight, Secretary, Baity, Beard, A. W. Hobbs, Manning, Pierson, VanHecke, Walker, T. J. Wilson, Jr.

TEACHER TRAINING (Consolidated University). Professors Trabue, Chairman, T. E. Brown, J. H. Cook, Leon C. Cook, Ruth Fitzgerald, Gwynn, Howard, McKee, Morrison.

TEACHING LOAD. Professors Lasley, Chairman, Crittenden, Ferger, Fussler, Jordan, MacNider, Stoudemire.

WEIL LECTURES. Professors Carroll, Chairman, Heath, Robson, Vance, Wettach.

PART TWO—GENERAL INFORMATION

THE UNIVERSITY
THE LIBRARY
THE UNIVERSITY PRESS
THE INSTITUTE FOR RESEARCH IN SOCIAL SCIENCE
THE INSTITUTE OF FOLK MUSIC
ADMISSION
EXPENSES
PECUNIARY AID
MEDALS AND PRIZES
REGULATIONS
STUDENT GOVERNMENT
PUBLIC LECTURES
UNIVERSITY ORGANIZATIONS

THE UNIVERSITY

FOUNDATION AND GOVERNMENT

The University was established in obedience to the first Constitution of the State, which was adopted in December, 1776. A clause of section XLI declared that "all useful learning shall be duly encouraged and promoted in one or more universities." The charter was granted by the General Assembly in 1789, the cornerstone of the Old East Building was laid in 1793, and the university was opened in January, 1795.

By the Constitution adopted in 1868 the General Assembly has "power to provide for the election of Trustees of the University of North Carolina, in whom, when chosen, shall be vested all the privileges, rights, franchises and endowments thereof in anywise granted to or conferred upon the trustees of said University; and the General Assembly may make such provisions, laws and regulations, from time to time, as may be necessary and expedient for the maintenance and management of said University." The Governor of the State is *ex officio* President of the Board of Trustees.

The same Constitution, in connection with "Benefits of the University," further states: The General Assembly shall provide that the benefits of the University, as far as practicable, be extended to the youth of the State free of expense for tuition; also, that all the

property which has heretofore accrued to the State, or shall hereafter accrue, from escheats, unclaimed dividends, or distributive shares of the estates of deceased persons, shall be appropriated to the use of the University.

ORGANIZATION AND DEGREES

The University is organized into a College of Liberal Arts and nine Schools, which have jurisdiction over degrees as shown below. The College of Liberal Arts: Bachelor of Arts and Bachelor of Arts in Journalism, and jointly with the School of Law, Bachelor of Arts and Laws; the School of Applied Science: Bachelor of Science in Chemistry, in Geology, and jointly with the School of Medicine, in Medicine; the School of Commerce: Bachelor of Science in Commerce, and jointly with the School of Law, Bachelor of Science in Commerce and Laws; the School of Engineering: Bachelor of Science in Electrical Engineering, in Civil Engineering, in Chemical Engineering, and in Mechanical Engineering; the School of Public Administration: Bachelor of Science in Public Administration; the Graduate School: Master of Arts, Master of Science, and Doctor of Philosophy; the School of Law: Bachelor of Laws, Doctor of Law, Bachelor of Arts and Laws (jointly with the College of Liberal Arts), and jointly with the School of Commerce, Bachelor of Science in Commerce and Laws; the School of Medicine: Bachelor of Science in Medicine (jointly with the School of Applied Science); the School of Pharmacy: Bachelor of Science in Pharmacy; the School of Library Science; Bachelor of Arts in Library Science.

In the Summer Session are offered many courses for which regular University credit is allowed, including special courses designed primarily for the teachers of the State. Practically all the work offered is of collegiate grade and may be counted towards some degree from the University.

There is also a Division of Extension through which the services of the University Faculty and certain material equipment of the University are made available to the people of the State generally.

THE GENERAL FACULTY OF THE UNIVERSITY

By action of the Trustees of the University the General Faculty includes all members of the University's teaching force above the rank of Instructor and all general administrative officers of the institution. In the President and the General Faculty is vested final authority (under the Trustees) over all matters of University policy and activity. Under the General Faculty the College and the Schools have separate Faculties and Administrative Boards, which have final authority over matters pertaining solely to such College or Schools.

THE COLLEGE YEAR

The college year is divided into fall, winter, and spring quarters of approximately twelve weeks each, and a summer session divided into two terms of about six weeks each. There is a Thanksgiving recess of three days, a Christmas recess of approximately two weeks, and a spring recess of about six days.

RELIGIOUS INFLUENCES

Through the coöperation of all concerned, religious influences of unusually effective character surround the University student. Chapel exercises are held in Memorial Hall every week-day morning, except Saturday, at ten-thirty o'clock. The Young Men's Christian Association, to which the University makes annual contributions, is of great value in the life of the campus.

The larger denominations of the State have erected at Chapel Hill modern and adequate church plants. The Chapel Hill churches are manned by an effective and coöperative group of pastors, are all located in close proximity to the campus, and play a very large and genuine part in the life of the University.

DISCIPLINE

The University endeavors to make young men manly and self-reliant, and to develop character by educating the conscience. The Faculty may, at their discretion, admonish, suspend, or dismiss students for neglect of duty, or for misconduct. See also under the heading of Student Government.

PHYSICAL TRAINING

Hearty encouragement is given to athletic sports and to all kinds of physical culture.

In addition to inter-collegiate athletics the University fosters an unusually extensive program of intra-mural sports, involving over half the undergraduates in a wide variety of games. There are contests in basketball, tag-football, indoor and outdoor baseball, tennis, soccer, quoits, riflshooting, boxing, wrestling, fencing, and track. Intra-mural teams offer every interested student opportunity for participation in some interesting and healthful form of competition with his fellows, for learning team work and good sportsmanship.

Exercise is required three hours a week of all Freshmen, unless excused. In the fall a thorough physical examination of each new student is made, and the heart, the lungs, the eyes, and the ears are tested, in order that students defective in physical development may be given special work under the personal supervision of the Director of the Gymnasium. Round shoulders, flat chests, curvature of the spinal column, hernia, and mild cases of congenital paralysis are thus often greatly benefited and sometimes completely corrected.

The physical education of women students is under the charge of Mrs. Gladys Angel Beard as Director and a group of administrative officers as a board. Each freshman woman student is carefully examined and tested for the purpose of discovering defects and correcting them. Arrangement for this examination is made when the student registers for the required course. Vigorous exercise and recreation are provided by tennis, archery, dancing, track work, basketball, and hockey; and inter-class competition is encouraged.

MEDICAL ATTENTION

In order to provide proper attention for the student during sickness the University employs a practising physician and maintains a well appointed infirmary. The infirmary is equipped with all necessary conveniences and comforts, is under the immediate supervision of the University Physician, and is provided with two experienced nurses. At the discretion of the University Physician a student may be admitted to its wards, and for such services as may be rendered by the staff no charges are made. But should any additional service (consultation, special nurses, operations requiring the attendance of a trained surgeon), recommended by the attending physician and approved by the parent or guardian, be necessary, the student will be required to pay for such services.

THE UNIVERSITY LIBRARY

ROBERT BINGHAM DOWNS, A.B., M.S., *Librarian.*

CORNELIA SPENCER LOVE, A.B., B.L.S., *Order Librarian.*

GEORGIA HICKS FAISON, A.B., B.L.S., *Reference Librarian.*

ELIZABETH HARDY THOMPSON, A.B., B.L.S., *Head Cataloguer.*

MARY LINDSAY THORNTON, *In charge of the North Carolina Collection.*

ALMA STONE SKAGGS, A.B., A.B. in L.S., *In charge of Periodicals and Bindings.*

OLAN VICTOR COOK, A.B., A.B. in L.S., *In charge of circulation.*

JOSEPH GREGOIRE DEROUHAC HAMILTON, Ph.D., *Director of the Southern Historical Collection.*

NELLIE ROBERSON, A.B., *Chief of Library Extension Department.*

WENDELL WAYNE SMILEY, A.B., A.B. in L.S., *Librarian of the Documents Division.*

GUELDA HILLYARD ELLIOTT, *Librarian of the Commerce Library.*

LUCILLE MARSHALL ELLIOTT, A.B., *Librarian of the Law Library.*

EDITH EUGENIA AVERITT, A.B., *Librarian of the Geology Library.*

HENRIETTA RHEA SMEDES, *Custodian of the Rural Economics Library.*

RUBY ROSS, *Custodian of the Engineering Library.*

The University Library contained on November 15, 1934, 257,871 volumes.

The Library funds are expended under the direction of the Librarian, the Library Budget Committee, the Library Book Committee, and Professors in charge of Departments, with special reference to the instruction given in the University. The annual addition of books from purchase, donations, and exchanges is approximately 15,000 volumes.

The main Library is housed in a new library building completed and occupied in July, 1929. Its seating capacity is one thousand readers; its present book capacity is approximately 300,000 volumes.

In addition to the resources of the general reference rooms, the Library has a collection of 49,003 bound periodicals.

Three thousand two hundred and thirty-five current periodicals, newspapers, transactions of literary, scientific, historical, and other societies, continuing and supplementing the bound sets, are subscribed for or secured through exchange annually.

The Library is a depository for the publications of the United States Government. It maintains a depository catalog of the printed cards issued by the Library of Congress, the John Crerar Library, and the Duke University Library, and partial files of the libraries of Harvard College and the University of Chicago.

Five seminar rooms on the third floor of the Library facilitate advanced work in English, German, Greek and Latin, the Romance Literatures, and History.

The North Carolina room contains all the books in the Library which relate to North Carolina, including the Weeks collection of Caroliniana. The whole makes one of the finest collections on the history of this State in the country and offers rare advantages to the research student. It is in charge of a special librarian.

The Hanes Foundation for the Study of the Origin and Development of the Book was established by the children of John Wesley and Anna Hodgkin Hanes, April 5, 1929, as a memorial to their parents. This collection comprises rare and early printed books and manuscripts which are available to the faculty and students as illustrative materials.

Brief instruction in the use of the card catalogue, the periodical indexes, and the reference books generally, is given new students at the beginning of each year. Courses in Library Science are given for students who are preparing for positions in school, public, and college libraries.

DEPARTMENTAL LIBRARIES

Six departmental libraries are in charge of regular attendants: Commerce, Education, Engineering, Law, Geology, and Rural Economics. Five libraries: Botany, Chemistry, Medicine, Pharmacy, and Zoölogy are under the supervision of the instructors in those departments and the Librarian.

RULES

Subscribers to the Library are the students and members of the faculty.

Faculty members are not restricted as to the number of books borrowed or the time they may be retained except in the case of Fiction, "Special Collections," or books needed for Reserve. All books charged to Faculty members must be returned each June.

The term Faculty applies to men of or above the rank of Instructor.

Other persons who desire to use the Library may become subscribers on payment of a regular library fee of \$4 a year, \$1 for three months, or 50 cents a month.

Persons who are not subscribers may not borrow books on a subscriber's name.

Books bought for a Department do not consequently become the exclusive property of that Department. They are the property of the University, acquired through the Library, and are to be so placed as to insure their greatest use to the greatest number of students and faculty members.

A student who owes the Library for fines or lost books will not receive academic credit for his courses at the end of a quarter.

THE UNIVERSITY OF NORTH CAROLINA PRESS

WILLIAM TERRY COUCH, *Director*

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The University of North Carolina Press was incorporated on June 12, 1922. The objects for which it was established are: (1) to publish periodicals devoted to the advancement of learning and produced at the University by or under the direction of the Faculty; (2) to publish catalogues, bulletins, and other documents pertaining to the University and its various schools and departments; and (3) to promote generally, by publishing deserving works, the advancement of arts and sciences and the development of literature.

The Press was established upon the authority of the Board of Trustees of the University, is a non-stock corporation, is financed in part by the University, and is managed by a Board of Governors drawn from the Faculty and Board of Trustees.

In addition to the publication of books, the Press has established three series of studies under the title: The University of North Carolina (1) "Studies in Language and Literature," (2) "Studies in Social Science and History," and (3) "Studies in Science." The Press also publishes the following periodicals: *The Journal of the Elisha Mitchell Scientific Society*; *Studies in Philology*; *The James Sprunt Historical Studies*; *The High School Journal*; *Social Forces*; *The North Carolina Law Review*; *The University of North Carolina Extension Bulletin*; *The University News Letter*; *The University of North Carolina Record*.

The Press office is located in Alumni Building. The agents of the Press for Great Britain and the British Dominions are respectively *The Oxford University Press*, London, for books and studies; *The Cambridge University Press*, London, for periodicals. A complete list of publications issued by the Press will be supplied to any address on request.

THE INSTITUTE FOR RESEARCH IN SOCIAL SCIENCE

HOWARD WASHINGTON ODUM, Ph.D., LL.D., *Director.*

KATHARINE JOCHER, Ph.D., *Assistant Director.*

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The increasing emphasis placed upon the social sciences within recent years and the need for scientific research in this field have given rise to a number of organizations for promoting research such as the Social Science Research Council and several of the national foundations which have set aside major portions of their funds for this purpose. In history, government, economics, sociology, jurisprudence, anthropology, statistics, social psychology, and other related fields there is need for new standards of research, for coördination, and for correlation.

At the University of North Carolina there had been for some time special need for assistance if the many investigations in the social sciences, already under way or projected, were to be carried out. It was a fortunate circumstance, therefore, when the Institute for Research in Social Science was made possible in 1924 by a special

grant from the Laura Spelman Rockefeller Memorial, and later from the Rockefeller Foundation and University appropriations. An extensive program of regional research, including studies in local government, southern historical backgrounds, socio-economic activities including studies in social-industrial relationships, crime and criminal justice, the Negro, folklore and folk backgrounds of the southern people, social institutions, public welfare and child welfare, human geography of the American South,—has been developed and got under way by means of concrete projects in the several fields. Accordingly, the scope of the program includes the social sciences, broadly construed, and the emphasis is upon projects and problems rather than upon discipline. Research projects, while chosen for the most part from the state and regional field, are selected with a view to their generic value and for their possible contribution in both method and content.

The permanent staff of the Institute is composed of research professors and associates, who, in addition to their own researches, direct other researches and may give courses in line with their special subjects. There are also a limited number of research assistants on yearly appointment. These research assistantships are open to men and women who have shown ability to do original research. A Master's degree or the equivalent in research experience constitutes the minimum requirement for appointment. All appointments are made on a twelve months' basis. The awards are in no sense fellowships, but each appointment is made with the definite purpose in mind of assisting specific research in the social sciences under the direction of professors and associates. Such assistantships carry with them stipends varying from \$500 to \$1,500.

Additional information and application blanks for appointment may be had by writing to the INSTITUTE FOR RESEARCH IN SOCIAL SCIENCE, The University of North Carolina, Chapel Hill, North Carolina.

THE INSTITUTE OF FOLK MUSIC

RUSSELL M. GRUMMAN, *Chairman.*

LAMAR STRINGFIELD, *Director.*

RICHARD CHASE, *Associate Director.*

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The South has long been known as the potential source of a wealth of folklore of all kinds. That native folk music is to be found in abundance in North Carolina is evidenced by the numerous surveys, compilations, and collections of manuscripts which has been made during the past.

Much of this effort has ended in an accumulation of material which, although serving to provide the connoisseur with data for a report, has brought to the people of the State no consciousness of their possessions in folk music, nor the desire to utilize original melodies for the music of the home, school, and church.

It thus became apparent that research in the field of folk music must be identified with an educational institution if an adequate program of education and propaganda were to be brought to the people.

The Institute of Folk Music was organized in September, 1931. It is supported by voluntary contributions.

The Work of the Institute

The North Carolina Symphony Society was organized in 1932 to sponsor the activities of: (1) a full symphony orchestra; (2) a little symphony; and (3) chamber music groups, to provide concerts in cities and towns throughout the State.

The Dogwood Festival was inaugurated at Chapel Hill in April, 1933. It is primarily a folk festival, the purpose of which is "... to give expression to the life of the people of the State by means of music, dancing, games, exhibitions, and other activities ...".

Both of these organizations, outgrowths of the efforts of the Institute, have been incorporated independently, but continue to coöperate with it.

The Institute has collected, to date, about one hundred American folk songs and ballads. In response to a state-wide program to encourage amateur composition in music, many manuscripts have been submitted for examinations and criticism.

Plans are being made to collect, phonographically, traditional ballads, fiddle tunes, and other folk lore to be found in North Carolina. These recordings will be kept at the University for reference and non-commercial use by students and composers.

A survey of the activity and interest in the field of folk music arts in America is also being made.

Classes are being conducted for children and adults interested in learning the traditional American and English songs and dances. A group of students has been organized at the University to conduct demonstrations of dances, songs, and music.

The University Extension Division has published Mr. Stringfield's bulletin, "America and Her Music," which is being nationally used by music clubs as a guide for study and program making.

ADMISSION

ADMISSION TO THE UNIVERSITY

Evidence of successful vaccination against smallpox is a prerequisite for the admission of students to this institution. Applicants for the admission to any school are hereby informed that a certificate as to successful vaccination must be sent to the Office of Admissions before they can be admitted.

Candidates for admission to the freshman class are received by certificate from accredited schools or by examination.

ENTRANCE BY CERTIFICATE. Students who present certificates of work accomplished at preparatory schools and colleges may be admitted without examination, provided the certificates are approved. The right to examine, however, is reserved, when such a course is deemed necessary. Certificates must be made out on the printed forms furnished on application to the Associate Registrar, and should be sent in as early as possible in the summer vacation. Notice is hereby given that satisfactory credentials must be in the hands of the above officer before an applicant may register. Candidates must present themselves in person before the Committees on the Registration of Freshmen during the period of registration.

ENTRANCE BY EXAMINATION. The University will accept the certificates of the College Entrance Examination Board provided the applicants submit satisfactory school certificates also. State-wide entrance examinations are held, when asked for in advance, at the offices of the County Superintendents early in June and at the University on a set date preceding the opening of the fall quarter in September. These examinations are given to graduates of non-accredited high schools and to other approved applicants who have submitted evidence of having completed the equivalent of a four years' high school course, aggregating at least fifteen units from the subjects listed below. The Associate Registrar in each instance must approve the applicant's record as meeting this requirement. Candidates for admission by examination must make application to the above officer in writing two weeks before the date for registration. Time and place for examinations will be arranged.

Admission to Advanced Standing

A candidate may be admitted to advanced standing in accordance with the amount and character of his previous training. The Dean of Admissions will accept, with proper restrictions, an official transcript of work satisfactorily completed at a college or university of good standing. All credits allowed by him stand in suspense until the candidate shall have spent one quarter in residence. If the work during this quarter is unsatisfactory, the credits may be cancelled.

A candidate for advanced standing must send to the Dean of Admissions his application accompanied by an official transcript of his previous record and statement of honorable dismissal at least two weeks before the date for registration. Blank forms may be secured by writing the above officer. Notice is hereby given that applicants, whose records at other institutions do not reach the standard required for the readmission of students at this institution or who are ineligible to continue at their former institutions, will not be admitted. The Administrative Board on Admission will consider individual cases of merit. Satisfactory credentials must be in the hands of the above officer before an applicant may register.

In case of students who enter with advanced standing from other institutions as candidates for a bachelor's degree the minimum requirements of residence and credits secured in residence are as follows: Residence for three quarters within a period of twelve months and a full year's work comprising at least nine courses or the equivalent. In this connection two summer terms are considered as one quarter.

Admission of Women

By action of the Trustees in February, 1897, women were made eligible for admission to the Graduate School of this institution. Almost immediately this action was extended so that women were eligible for admission to the two upper classes of the college. Some years later women whose training was found to be sufficient were admitted to the Professional Schools of Law, Medicine, Pharmacy, and later to courses in Engineering. By an extension of this action women are admitted to special courses in work that is not to be obtained in a college for women. Here are included the pre-medical and pre-dental courses and courses leading to such specialized scientific degrees as those in Chemistry and Geology. In the College of Liberal Arts and the School of Commerce the University admits women students having junior standing. The Trustees in June, 1931, voted to admit as freshmen or sophomores young women residing in Chapel Hill or within commuting distance provided they live with their parents (or guardian) who must be maintaining their residence as defined above. Mature women residing in Chapel Hill are admitted to such work as they are qualified to pursue. To the Division of Public Welfare and for *special work* in play-writing and play-production "*mature special students*" who cannot qualify for junior standing may occasionally be admitted for reasons which must be clear in any individual case.

Entrance Requirements

For admission to the Freshman Class of the University of North Carolina fifteen units secured by the completion of a four years' high school course are required. *The fifteen units must be chosen from the list printed below and in accordance with the restrictions*

stated in the foot-notes following that list. The applicant must either have an official certificate sent showing his preparatory work and the recommendation of his *school (which must be on the list of accredited schools) or stand entrance examinations on an equivalent amount of preparatory work as provided for above. In addition a satisfactory report on "school citizenship" is required.

It must be clearly understood that admission to the University does not necessarily mean admission to candidacy for a degree.

In order for a student to be admitted to candidacy for a degree, he must meet the specific requirements laid down by the school or college in which the degree is conferred. In some cases this will make it necessary for the candidate to carry certain courses as prerequisites over and above the courses prescribed for the degree or to make up certain deficiencies. These deficiencies must be made good before the student may register for his sophomore year.

The preparatory student should decide, therefore, as early as possible, for which degree he wishes to become a candidate and carry such courses in his preparatory school as will admit him to candidacy for that degree.

Subjects Acceptable for Entrance Credit

The complete list of subjects acceptable for entrance with the credit that may be secured in each subject is as follows:

English	4 units	Economics	½ or 1 unit
**History	1 to 4 units	‡Scouting	½ or 1 unit
Mathematics	2 to 4 units	‡Music	½ or 1 unit
Greek	1 to 3 units	‡Military Science	½ or 1 unit
Latin	1 to 4 units	***Vocational Subjects	
French	1 to 3 units	Commercial	
German	1 to 3 units	Geography	½ unit
Spanish	1 to 3 units	Drawing	½ or 1 unit
†Biology	½ or 1 unit	**General Agri-	
†Botany	½ or 1 unit	culture	½ to 2 units
†Chemistry	½ or 1 unit	Bookkeeping	1 unit
†Physics	½ or 1 unit	Commercial	
†Zoölogy	½ or 1 unit	Arithmetic	1 unit
†General Science	½ or 1 unit	Stenography and	
†Physiography	½ or 1 unit	Typewriting	
Physiology	½ unit	(together)	1 unit
Civics	½ or 1 unit	Manual Training	½ to 2 units

* It is definitely understood that, in case an applicant has attended another school subsequent to graduation from a high or preparatory school, the recommendation of the school last attended is required.

** As many as four (4) units in history and two (2) units in agriculture may be accepted. This amount of credit will be allowed only when the Dean of Admissions is satisfied that the work done in these subjects at any given school is of a superior order.

† One (1) full unit in any of the sciences will be allowed only when satisfactory work is done in the laboratory as evidenced by the notebook; otherwise only one-half (.5) unit will be allowed.

‡ Entrance credit for this subject will be allowed only in case the certifying school credits it towards its diploma.

‡ Credit for music will be allowed only in case the work is shown by a supplemental certificate to conform with the standards set up by the Southern Association of Colleges and Secondary Schools and provided also the certifying school credits it towards its diploma.

*** Credit for vocational subjects is limited to a total of three (3) units.

PREScribed REQUIREMENTS

The requirements for admission to candidacy for the different degrees in the College and in the several Schools within the University are as shown below. The applicant will note that the freshman and sophomore years of the College of Liberal Arts and of the School of Commerce are combined under the title of the Lower College.

THE COLLEGE OF LIBERAL ARTS

(The Degrees A.B., A.B.-LL.B., A.B. in Journalism)

English	4	units	Select One	Greek	2	units
*Social Science	2	units		Latin	2	units
Algebra	1½	units		German	2	units
Plane Geometry	1	unit		French	2	units
				Spanish	2	units
				Science	1	unit
				Electives to make total of 15 units		

NOTE: The applicant may offer two units of any one foreign language for admission to the College of Liberal Arts or the School of Engineering. After admission to the School of Engineering no further work in the foreign language is required. In the College the student may continue the language presented for admission or may begin a new language by taking the elementary year course 1-2-3. Such a year course, meeting six hours a week, when completed satisfies the entrance requirement and also covers the ground of the intermediate year course 11-12-13.

THE SCHOOL OF APPLIED SCIENCE

(The Degree S.B.)

Bachelor of Science in Chemistry

English	4	units	German	2	units
*Social Science	2	units	Science	1	unit
Algebra	1½	units	Electives to make total of 15 units		
Plane Geometry	1	unit			

Bachelor of Science in Geology

English	4	units	French, German, or		
*Social Science	2	units	Spanish	2	units
Algebra	1½	units	Science	1	unit
Plane Geometry	1	unit	Electives to make total of 15 units		

Bachelor of Science in Medicine

English	4	units	**German	2	units
*Social Science	2	units	**French	2	units
Algebra	1½	units	Science	1	unit
Plane Geometry	1	unit	Electives to make total of 15 units		

Requirements for admission to the Pre-dental Curriculum:

English	4	units	Plane Geometry	1	unit
*Social Science	2	units	French or German	2	units
Algebra	1½	units	Electives to make total of 15 units		

NOTE, that the requirements for admission to the Pre-dental Curriculum call for: Either French or German.

* One unit must be in history, American History recommended.

** The curriculum for this degree requires two years of college grade work in French or German above the elementary courses or one year in college grade French and one year in college grade German above the elementary courses. Hence the entrance requirement is either French or German (if one language is to be taken) or both French and German (if both languages are to be taken).

THE SCHOOL OF ENGINEERING

(The Degree S.B.)

Bachelor of Science in Chemical, Civil, Electrical, or Mechanical Engineering

English	4	units	French, German, Spanish,		
*Social Science	2	units	Green, or Latin, any <i>one</i>	2	units
Algebra	1½	units	Science	1	unit
Plane Geometry	1	unit	Electives to make total of	15	units

THE SCHOOL OF COMMERCE

(The Degree S.B. in Commerce)

English	4	units	Select {	German	2	units
*Social Science	2	units	One {	French	2	units
Algebra	1½	units		Spanish	2	units
Plane Geometry	1	unit	Science	1	unit	
			Electives to make total of	15	units	

THE SCHOOL OF PUBLIC ADMINISTRATION

For the requirements for entrance to the School of Public Administration see under that school in Part Four.

THE GRADUATE SCHOOL

Holders of Bachelors' or Masters' degrees from standard colleges are admitted to the Graduate School upon presentation of their credentials. For further details the prospective student is referred to the Catalogue of the Graduate School.

THE SCHOOL OF LAW

Candidates for the Degree LL.B.

Students who are to be candidates for the degree of LL.B. must have completed such college work as will fit them for the study of Law. For detailed statement of the subjects required see under the School of Law, Part Five. First year students may not enter at the opening of the second term.

THE SCHOOL OF MEDICINE

Requirements for Admission to the Medical Curriculum

The minimum requirements for admission to the medical curriculum are three years of college work, which must include a minimum of twelve semester hours in chemistry (including four semester hours of organic chemistry), eight semester hours in biology (at least 4 semester hours being in zoölogy), eight semester hours in physics (which must have required trigonometry as prerequisite), six semester hours in English, and six semester hours in a modern foreign language beyond the amount required in the language chosen for admission to the University. *No student will be admitted with less than three years of accredited collegiate work, or with a condition on any of the required subjects in science.* All admissions are decided by the Dean of the School of Medicine and a special committee on admissions to the school. The maximum number admitted to the first year class is forty-two, to the second year class it is forty. The Dean and special committee reserve the right to select from

* One unit must be in history, American History recommended.

the entire list of applicants (usually many more than the number who can be admitted) those applicants who in their judgment are best qualified for the study of medicine. The fact that an applicant may have been registered in our curriculum leading to Bachelor of Science in Medicine does not obligate the Dean and committee to admit him to the School of Medicine.

Admission to Advanced Standing

Candidates for admission to the second year of the medical curriculum must present certificates from an accredited medical school stating that they have had the required fifteen units, at least three years of college work as indicated above, and have completed the subjects of the first year of the medical course as outlined.

THE SCHOOL OF PHARMACY

Bachelor of Science in Pharmacy

English	4	units	French or German or	
*Social Science	2	units	Latin	2 units
Algebra	1½	units	Electives to make total of 15 units	
Plane Geometry	1	unit		

THE SCHOOL OF LIBRARY SCIENCE

A detailed statement covering the requirements for admission as a candidate for the degree of Bachelor of Arts in Library Science will be found under the school of Library Science, Part Five.

* One unit must be in history, American History recommended.

EXPENSES

The University reserves the right to make, with the approval of the proper authorities, changes in any fees at any time.

Tuition and Other Fees for Each Quarter

Each student whose *bona fide* residence has not been established in North Carolina for at least the six months immediately prior to his first registration in the University must pay an extra fee of \$33.34 for each fall, winter, or spring quarter he spends in residence, and \$16.67 for each six-weeks term of the Summer Session he spends in residence. The residence of a minor is that of his parents or guardian. The residence of an adult remains with his parents or guardian unless he shall have independently set up his own.

Bona fide residence means that the student is not in North Carolina primarily to attend the University and that his status as a resident has not been set up merely as a technical bar to the extra charge. Mere ownership of property or payment of taxes apart from residence does not qualify one as a resident; nor may a student qualify by living in North Carolina the six months immediately prior to his first registration, unless he continues so to live during the whole period of his stay at the University.

Students are presumed to know their correct residence status and to state the facts concerning it truthfully on their registration blanks. Students in doubt should appeal their cases in writing to the Dean of Administration, preferably in advance of registration. Students who misrepresent the facts of their residence status for the purpose of defrauding the University will be dealt with as are all other violators of the honor code.

College of Liberal Arts:	Residents of N. C.
Tuition	\$25.00
Matriculation (see * on next page).....	14.50
Student Publications	2.00
Laundry Deposit	8.50
Student Union fee	1.00
<hr/>	
Total for each quarter.....	\$51.00

For Entertainment Fee see p. 49.

School of Engineering:	Residents of N. C.
Tuition	\$33.34
Matriculation	14.50
Student Publications	2.00
Laundry Deposit	8.50
Student Union fee	1.00
Total for each quarter.....	\$59.34

School of Applied Science:
Same as for the College of Liberal Arts.

School of Commerce:
Same as for the College of Liberal Arts, plus an additional fee
of \$1.00 for reading and materials for each quarter.

School of Public Administration:
Same as for the College of Liberal Arts.

Graduate School:
Same as for the College of Liberal Arts.

School of Law:	
Tuition for fall and spring terms, each.....	\$50.00
*Matriculation fee each term.....	21.75
Student Publications fee each term.....	3.00
Student Activities fee each term.....	2.50
Laundry Deposit each term.....	12.75
Student Union fee each term.....	1.50
Total for each term.....	\$91.50

School of Medicine:	
*Tuition and Matriculation.....	\$83.34
Student Publications	2.00
Laundry Deposit	8.50
Student Union fee	1.00
Total for each quarter.....	\$94.84

School of Pharmacy:	
Tuition	\$28.34
*Matriculation	14.50
Student Publications	2.00
Laundry Deposit	8.50
Student Union fee	1.00
Total for each quarter.....	\$54.34

* This fee includes fee for physical education, the library fee, the fee for infirmary service, and the fee for debates.

School of Library Science:

Same as for the College of Liberal Arts, except that the student should expect to spend about \$15.00 for textbooks and special material and \$35.00 for trips to visit libraries.

An Entertainment Fee of \$1.00 each quarter is collected from each student in the College of Liberal Arts and the School of Commerce for a program as voted by representatives of these two groups.

DELAYED REGISTRATION: The penalty for delayed registration for any quarter is one month of strict attendance probation for each day of delay. Any student registering later than the time appointed for his registration must pay five dollars (\$5.00) as an additional fee for delayed registration. No appeal from either attendance probation or the late registration charge of five dollars will be granted, unless the delay is due to circumstances clearly beyond the student's control. Such an appeal must be made in writing to the Dean of Administration, must show clearly good and sufficient justification for the delay in registering, and must bear the approval of the Dean of division of the University in which the appellant is enrolled.

LAUNDRY DEPOSIT: Students will be required to send their washing to the University Laundry for which a deposit will be collected at the time of registration.

LABORATORY FEES: Each student taking a laboratory course must pay, in addition to his tuition fee, a small fee for power or materials used in the laboratory. The fees for the various laboratory courses are as follows:

BACTERIOLOGY

51	\$ 4.00	233	\$10.00
132, 235	6.00 a quarter		(Non-med. students)
	(Non-med. students)		

BOTANY

11-12-13	\$ 2.00 a quarter	211, 212, 213, S214	\$ 4.00 a quarter
41, 42, 43, 52	4.00 a quarter	251, 252, 253, S254	4.00 a quarter
103, 111, 112, 113, 122, 133, 141, 151, 153, S154	4.00 a quarter	301, 302, 303	4.00 a quarter

CHEMISTRY

1-2-3	\$ 3.00 a quarter	162, 163, 164, 165	\$10.00 a quarter
4, 5	4.50 a quarter	167, 168, 191, 192	10.00 a quarter
31, 41, 42, 61, 91, 92	10.00 a quarter	231	10.00
71	10.00	341, 351, 361, 381, 391	10.00 a quarter
81, 84, 169, 182	7.00 a quarter		
83	3.00		

COMMERCE

61, 161	\$ 1.00 a quarter	177	\$ 2.00
71, 71P, 72, 171	3.00 a quarter	179	2.50
172, 173, 175	3.00 a quarter		

ECONOMICS

9	\$ 3.50	* 170, 271	\$ 2.00 a quarter
11	1.00	171	1.00

ENGINEERING

G.E. 36bc	\$ 4.00 a quarter	E.E. 22b	\$ 4.00
*C.E. 56a	5.00	E.E. 52abc, 62abc	5.00 a quarter
Ch.E. 92, 93abc	10.00 a quarter	E.E. 97abc	3.00 a quarter
Ch.E. 94	7.00	E.E. 162abc	7.00 a quarter
Ch.E. 191	\$10.00	E.E. 382abc	10.00 a quarter
Ch.E. 391	10.00 a quarter		
C.E. 25a, 30a, 65a	4.00 a quarter		
C.E. 35a	6.00	M.E. 53abc, 63abc	5.00 a quarter
C.E. 60a	10.00	M.E. 73	5.00
C.E. 160abc, 165abc	4.00 a quarter	M.E. 78bc, 166ab	5.00 a quarter
C.E. 28Ca, 285abc	2.00 a quarter		
C.E. 290abc, 360abc, 365abc, 370abc	5.00 a quarter		

ENGLISH

61, 62, 64, 65, 66	\$ 1.00 a quarter	63, 155, 156, 157	\$ 2.00 a quarter
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GEOLOGY AND GEOGRAPHY

11, 12, 13	\$ 2.00 a quarter	47, 111-112-113, 121-122	3.50 a quarter
15	1.50	123, 131, 133, 134	\$ 3.50 a quarter
41, 42, 61	3.00 a quarter	156	2.00
43-44, 105	5.00 a quarter	171, 172, 173	3.50 a quarter
14, 45, 51, 52, 53	2.50 a quarter		

JOURNALISM

53, 54, 55, 57	\$ 2.00 a quarter
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MATERIA MEDICA

55	\$ 5.00	391, 392, 393	\$10.00 a quarter
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PHARMACEUTICAL CHEMISTRY

70	\$ 5.00 a quarter	62, 63, 71, 141, 172, 173, 242, 243, 245, 391, 392, 393	\$10.00 a quarter
161, 162, 163	7.50 a quarter		

PHARMACOLOGY

55	\$ 5.00
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PHARMACY

11	\$ 5.00	21, 94, 141, 144, 145, 146, 162, 261, 262, 263, 391, 392, 393	\$10.00 a quarter
13, 22, 23, 93, 191, 192, 193	5.00 a quarter		
91, 92	7.50 a quarter		

PHYSICS

21-22-23	\$ 2.75 a quarter	52, 53, 55, 56, 141	\$ 3.00 a quarter
21E, 22E, 23E	2.75 a quarter	91, 92	5.00 a quarter
51	15.00		

* Students in Chemical Engineering take no laboratory work in this course and pay no fee.

PSYCHOLOGY

21-22-23	\$ 2.00 a quarter	147, 151, 152, 153	\$ 3.00 a quarter
125, 135, 136, 138	2.00 a quarter	201	4.00
145, 146	1.00 a quarter	202, 203, 205	2.00 a quarter

ZoöLOGY

41b, 42b, 103, 104,		209, 210, 211	\$ 5.00 a quarter
105	\$ 5.00 a quarter	212, 213, 214, 215	5.00 a quarter
106, 107, 108, 109	5.00 a quarter	316	3.00 or 5.00

TRANSCRIPTS OF RECORD. One transcript will be furnished without charge. Additional transcripts will be furnished only upon payment of \$1.00 for each copy.

GRADUATION FEE. The graduation fee is \$5.00 payable when application for the degree is made.

Board

Excellent Board is furnished at Swain Hall for \$22.50 a month to non-dormitory occupants, or \$20.00 a month where student rooms in dormitory. This special combination rate is offered to encourage the full use of dormitory and Swain Hall facilities and to assure to students the highest standard of service.

Board without room can be obtained in the town from \$22.50 to \$35.00 a month.

Dormitory Accommodations for Men

Accommodations for approximately fourteen hundred students are available in the University dormitories.

All rooms in the dormitories are completely furnished. Students will, however, provide their own pillows, bed linen (for single beds), blankets, and towels.

Room rent ranges from \$5.25 to \$10.00 a month for each occupant, the price depending upon the location of the room. This charge includes light, heat, and service. Rooms are leased for the scholastic year. See p. 64 for assignment of rooms.

Residence for Women

The Cornelia Phillips Spencer Building is the dormitory for women. Women not living in their own homes are required to reside in the dormitory unless permission to live elsewhere is granted by the Adviser to Women, Mrs. M. H. Stacy. Ordinarily such permission is granted in exceptional cases only, and to graduate students.

Rooms in the dormitory are rented upon the basis of the full session; but the bill is payable in two installments, September 1 and February 1. The rooms are completely furnished. Students will pro-

vide, however, pillows, bed linen (for single beds), blankets, and towels. All persons living in the dormitory are required to board there also.

The cost of room and board for the session is \$283.00 if the student shares a double room, or \$328.00 if the student occupies a single room. Details of the payments to be made for room and board may be found in the Handbook for Women Students or by correspondence with Mrs. M. H. Stacy.

PECUNIARY AID

FELLOWSHIPS AND SCHOLARSHIPS

THE LEDOUX FELLOWSHIP IN CHEMISTRY. (Established in 1911 by Dr. Albert R. Ledoux.) The holder is expected to devote himself to research in chemistry. This fellowship is endowed, and yields \$300 annually.

THE GRAHAM KENAN FELLOWSHIP IN PHILOSOPHY. A fellowship supported by the income from an endowment of twenty-five thousand dollars, established in 1921, by Mrs. Graham Kenan, in memory of her husband, an alumnus and trustee of the University. This fellowship is awarded annually by Professor Henry Horace Williams.

THE MOORE SCHOLARSHIPS. (Established in 1881). Bartholomew Figures Moore, of Raleigh, bequeathed \$5,000, the interest of which shall be devoted to paying the tuitions of students.

THE MARY RUFFIN SMITH SCHOLARSHIPS. (Established in 1885.) Miss Mary Ruffin Smith bequeathed to the University in memory of her brother, Dr. Francis Jones Smith, a valuable tract of land in Chatham County of 1,460 acres, known as Jones' Grove. The will provides that rents of the land, or the interest on the purchase money if sold, shall be used to pay the tuition of such poor students as the Faculty shall appoint.

THE MARY ANN SMITH SCHOLARSHIPS. (Established in 1891). Miss Mary Ann Smith bequeathed \$37,000 for the foundation of scholarships, the number of scholarships to be determined by the amount of the income.

THE CAMERON SCHOLARSHIPS. (Established in 1892.) The heirs of Paul Carrington Cameron founded in his memory ten scholarships of the value of \$75 each.

THE SPEIGHT SCHOLARSHIPS. (Established in 1892). The late Mrs. Mary Shepherd Speight bequeathed \$10,000 to the University. The income shall be used to pay the tuition of needy students; but if tuition is ever made free, the income shall be used toward paying the salaries of professors.

THE WOOD SCHOLARSHIP. (Established in 1892). Mrs. Mary Sprunt Wood, of Wilmington, has founded, in memory of her late husband, Dr. Thomas Fanning Wood, a scholarship of the value of \$75.

THE DIALECTIC AND PHILANTHROPIC LITERARY SOCIETIES' SCHOLARSHIPS. (Established in 1893). The Dialectic and Philanthropic Lit-

erary Societies of the University founded two scholarships of the value of \$75 each, recipients of which shall give assistance in the Library.

THE WEIL SCHOLARSHIP. (Established in 1898). A fund established by Mr. Henry Weil, of Goldsboro, furnishes one scholarship of the value of \$75.

THE ARMFIELD SCHOLARSHIPS. (Established in 1901 and 1904). These scholarships were founded by the generosity of the late Mr. Eugene M. Armfield, of High Point, N. C., a member of the class of 1888.

THE KENNETH MURCHISON SCHOLARSHIPS. (Established in 1904). These scholarships have been founded by Mrs. Shirley Carter, of Baltimore, Md., and the late Mrs. James Sprunt, of Wilmington, N. C., in memory of their father. They are awarded by the founders.

THE DONALD FAIRFAX RAY SCHOLARSHIP. (Established in 1919). Mrs. N. W. Ray, of Fayetteville, N. C., has established this scholarship in memory of her son, Donald Fairfax Ray, a graduate of the University, who died while in the service of his country.

THE HOLT SCHOLARSHIPS. Four scholarships are maintained by the income from the Holt Loan Fund, established in 1920 by Mr. Lawrence S. Holt, Jr. They are awarded by the Committee on the Holt Fund, to a member of each of the four classes in the Academic Department. Applications are considered after the opening of the University in the fall.

The ALUMNI SCHOLARSHIPS. These scholarships have been established by the gifts of Alumni, and they vary in stipends according to the funds in hand.

THE R. H. LEWIS SCHOLARSHIPS. Four scholarships, endowed by the University Gymnasium Association, and called The R. H. Lewis Scholarships, are assigned by the President, and are good for tuition in the Academic Department.

THE MRS. AUGUSTUS H. JONES SCHOLARSHIP was created by a gift of two thousand dollars from Mrs. James H. Parker, of New York City, the income to be used for one scholarship. The recipient of this scholarship is to be designated by Mrs. James H. Parker during her life and thereafter upon the recommendation of the New York Chapter of the United Daughters of the Confederacy. Failing this recommendation from either source, appointment is to be made by the President of the University, preference being given first to relations of the late Dr. James H. Parker, of New York, and second to relations of the donor.

THE GEORGE NEWBY TOMS SCHOLARSHIPS. Established 1926 by Mr. C. W. Toms, in memory of his son, George Newby Toms. The income from a fund of \$5,000 is granted by the University as scholarships to worthy students, preference being given to students from Durham and Perquimans counties in North Carolina.

THE GENERAL ROBERT RANSOM SCHOLARSHIP. This scholarship to the value of \$200 is awarded each year to a lineal descendant of a Confederate Veteran. It is awarded and controlled by the United Daughters of the Confederacy in North Carolina.

THE JEFFERSON DAVIS ESSAY SCHOLARSHIP. Awarded each year by the United Daughters of the Confederacy in North Carolina to the high school graduate who writes the best essay on Jefferson Davis. Value \$200.

WILLIAM BLOUNT RODMAN SCHOLARSHIPS. Two scholarships assigned to students at the University from the memorial trust fund created by Colonel W. B. Rodman in memory of his father, William Blount Rodman. They are assigned by the State Superintendent of Public Instruction, Trustee of the fund.

THE DANIEL G. FOWLE SCHOLARSHIP. One scholarship, founded in 1928 by Mrs. Walter F. Stearns (Mary H. Fowle) in memory of her father, Governor Daniel G. Fowle. Mrs. Stearns reserves the right to award the scholarship to a member of her own family; otherwise it will be awarded by the Superintendent of the Raleigh Schools and the Principal of the Raleigh High School to one Raleigh student on the basis of merit, character, and scholarship. Value annually \$100.

THE GRAIL SCHOLARSHIP. One scholarship is maintained by the interest from the Grail Loan Fund, and is awarded each fall to that member of the entering class who as a senior in a North Carolina high school made the highest score on the state-wide examination conducted by the North Carolina College Conference.

THE MARY K. BROWN MEMORIAL SCHOLARSHIP. (Established in 1931). A fund was established by Mrs. James M. Brown in memory of her daughter, who served with unusual devotion as Secretary of the School of Commerce of the University. The Scholarship is awarded to a worthy student who is dependent upon his own efforts to secure an education.

None of these scholarships is open to students in the Schools of Law, Medicine, Pharmacy, and Library Science. For scholarships open to students in these Schools, please see Part Five of this Catalogue.

This list does not include certain annual contributions for scholarships, which are not on an endowment basis.

All applications for scholarships must be filed in the office of the Dean of Administration on or before April fifteenth, and must be in the regular form prescribed by the University. Blank forms are supplied on application to Dean R. B. House.

FREE TUITION

Free tuition is given to indigent residents of North Carolina who are also under bodily infirmity.

LOAN FUNDS

THE DEEMS FUND. (Established in 1879). A fund of \$600 was established by Rev. Charles Force Deems, D.D., late pastor of the Church of the Strangers, New York City, formerly a professor in the University, in memory of his son, Lieut. Theodore Disosway Deems. In 1881 the gift was greatly enlarged through the munificence of Mr. William H. Vanderbilt by a gift of \$10,000 "as an addition to the Deems fund, to be loaned to indigent students of the University."

THE MARTIN FUND. This fund has been established by the bequest of Mr. Thomas D. Martin, of Raleigh. Only the interest of the fund can be used for loans. It became available during the session of 1908-1909.

THE HOGUE FUND. A fund of \$4,000 has been established by the Rev. R. W. Hogue, of Baltimore, the income from which is to be loaned to worthy students in the University.

THE HEWITT FUND. A fund of \$18,700 was established in 1916 by the bequest of Mr. Joseph Henry Hewitt, of Princess Anne County, Virginia. Only the income from this fund can be used for loans to "needy and deserving students" of the University. This fund became available during the session of 1919-1920.

THE HOLT FUND. A fund of \$10,000 has been established by Mr. Lawrence S. Holt, Jr., of Burlington. The principal of this fund is to be loaned to "worthy and needy students of the University." The income from this fund is to be used in establishing four scholarships in the University. It became available during the session of 1920-1921.

THE VICTOR S. BRYANT FUND. A fund of \$7,500 has been established by the bequest of Mr. Victor S. Bryant, of Durham. The principal and the interest of this fund can be used for loans to "worthy and needy young men" at the University. This fund became available during the session of 1920-1921.

THE MASONIC LOAN FUND. A fund of \$1,250 has been established by the Grand Lodge of Masons, the Grand Chapter of Royal Arch Masons, and the Grand Commandery of Knights Templar of North Carolina, for the purpose of "assisting worthy boys and girls to secure

an education." The principal of this fund is loaned, and the interest is added thereto. The fund became available in the fall of 1922, and has since been increased.

THE SEELY FUND. A fund of \$1,000 has been established by Mr. F. L. Seely, of Asheville, the principal of which is to be loaned to worthy and needy students, and the income therefrom to be added to the principal. This fund became available during the fall of 1922.

THE E. S. BLACKWOOD MEMORIAL LOAN FUND, created by bequest of Miss Katherine B. Blackwood, of New York City. This fund consists of \$10,000 "to be used as a loan fund for needy students." This fund is administered in the same manner as the Deems fund.

THE A. B. ANDREWS LOAN FUND. In May, 1925, the five children of the late Colonel A. B. Andrews (William J. Andrews, class of 1891; Alexander B. Andrews, class of 1893; Mrs. W. M. Marks; John H. Andrews, class of 1897, and Graham H. Andrews, class of 1903) established a fund of \$2,500 of which the principal and interest are to be loaned to worthy students. This fund has been increased to \$4,500 through the subsequent gifts from Mr. Alexander B. Andrews, of Raleigh, N. C. The A. B. Andrews Loan Fund is administered as are other loan funds from the University and is established as a memorial to Colonel A. B. Andrews, a noted railroad builder in North Carolina and a Trustee of the University. It is requested by the donors that assistance from this fund be rendered first to students from those counties of North Carolina in which Colonel Andrews built railroads and second to those counties through which lines of the S. A. L., Norfolk-Southern, and Southern railway systems run.

THE J. E. LEAR FUND. This fund of \$5,244 became available in 1924 as a fund upon which students in the School of Engineering, especially students in electrical engineering, would have first claim. The fund was the result of installation work done by the senior class in electrical engineering under the supervision of Professor J. E. Lear.

THE POGUE LOAN FUND. The fund of \$1,000 was presented to the University in April, 1930, by Mrs. Joseph E. Pogue as a memorial to her husband, the late Mr. Joseph E. Pogue, the fund to be known as the Joseph E. Pogue Loan Fund. The principal and interest are to be loaned to deserving students.

THE EDMONDS LOAN FUND. The fund of a little over \$800 has been set up by the Class of 1910 as a memorial to W. R. Edmonds, a member of that class.

GRAIL LOAN FUND. In June, 1930, the Order of the Grail, an undergraduate organization at the University of North Carolina, gave

\$1,400 to be known as the Grail Loan Fund. The principal of this fund is to be loaned to worthy students and the income is to be used as the Grail Scholarship. This scholarship, at present a cash award of \$60, is to be made each fall to that member of the entering class who as a senior in a North Carolina high school made the highest score on the annual State-wide examination conducted by the North Carolina College Conference.

THE ALUMNI LOYALTY LOAN FUND. Established on June 30, 1930, by the advance of \$12,200.00 out of the Alumni Loyalty Fund.

THE ALDEN JOSEPH BLETHEN III MEMORIAL LENDING FUND. During the fall of 1930, Col. C. B. Blethen, of Seattle, Wash., gave \$2,000 to be known as the Alden Joseph Blethen III Memorial Lending Fund. This he did as a memorial to his son, A. J. Blethen III, a member of the Class of 1934. The principal of the fund is to be loaned to deserving students.

THE ROCKINGHAM COUNTY ALUMNI LOAN FUND. A fund of \$713.32 advanced by the Rockingham County Alumni Association, available since January 11, 1932. It may be recalled by the lender as it may desire.

ESCHEATS FUND. According to State law, clerks of court are directed to forward to the University money included in estates for which no heir can be discovered. For these funds the University is merely custodian for a period of years during which any heir discovered may legally claim the funds. During this period the money is placed in the Student Loan Funds as a temporary investment.

The Emergency Student Loan Funds

In the winter and spring of 1932, the University confronted a genuine emergency growing out of an announced reduction of state appropriations by 30%, and the fact that between five hundred and seven hundred students were without funds with which to continue their course. When this situation was presented by President Graham, students (\$2,057.14), faculty (\$2,035.38), the people and community organizations of Chapel Hill (\$970.22), various chapters of the D. A. R., U. D. C., and other committees of women, began building a student loan fund. Alumni and friends of the University everywhere contributed to raise the total of new loan resources to \$109,000.00, known collectively as "The Emergency Student Loan Fund." The portions of that fund which for some appropriate reason were separately established are listed below. Unless otherwise indicated, the funds are loaned on the same terms as is the Deems Fund.

THE W. C. COKER LOAN FUND. A fund of \$500.00 established February 2, 1932, by Dr. W. C. Coker, head of the Botany Department of the University.

THE JESSIE KENAN WISE LOAN FUNDS. A loan fund of \$25,000.00 established February 4, 1932, by Mrs. Jessie Kenan Wise, of Wilmington, N. C., and another loan fund of \$47,000.00 in securities, the income from which may be loaned to students immediately, and the principal may be similarly used when available through the sale of the securities as opportunity for sale on favorable terms may arise.

THE BURTON CRAIGE LOAN FUND. A fund of \$1,000.00 established February 6, 1932, by Mr. Burton Craige, 1897, of Winston-Salem, N. C.

THE JAMES A. GRAY LOAN FUND. A fund of \$500.00 established February 15, 1932, by Mr. James A. Gray, '08, of Winston-Salem, N. C.

THE BLAIR LOAN FUND. A fund of \$500.00 established March 2, 1932, by Col. David H. Blair, '98, and Mrs. David H. Blair, of Washington, D. C.

THE SARAH WATTS MORRISON LOAN FUND. A fund of \$1,000.00 established March 4, 1932, by Mrs. Sarah Watts Morrison of Durham and Charlotte, N. C.

THE STUDENT LOAN FUND OF THE NORTH CAROLINA CONGRESS OF PARENTS AND TEACHERS, INC. A fund of \$750.00 loaned to the student loan funds by Mrs. J. W. Burke, Treasurer, by authority of the organization named above.

THE SARAH GRAHAM KENAN LOAN FUND. A fund of \$1,000 established March 7, 1932, by Mrs. Sarah G. Kenan, of Wilmington, N. C., to be used first by a designated student. When repaid, Mrs. Kenan will indicate its further usage.

THE MILO M. PENDLETON LOAN FUND. A fund of \$1,000.00 established March 15, 1932, by Mrs. Katherine Pendleton Arrington as a memorial to her brother, Milo M. Pendleton, of the Pharmacy Class of 1902.

THE RICHMOND, VIRGINIA, ALUMNI ASSOCIATION LOAN FUND. A fund of \$320.00 given by the organization named above with the request it be set so as to receive annual additions from the donors. It has been available since March 29, 1932.

THE LOAN FUND OF THE WOMAN'S AUXILIARY, N. C. PHARMACEUTICAL ASSOCIATION. A fund of \$150.00 given by the above named organization, through its president, Mrs. F. W. Hancock, of Oxford, N. C. This fund has been available for Pharmacy students at the University since April 8, 1932.

THE EDRINGTON SPENCER PENN AND CHARLES ASHBY PENN, JR., LOAN FUND. A fund of \$1,000 established April 14, 1932, by Mrs. Charles Ashby Penn of Reidsville, North Carolina.

THE C. W. TOMS LOAN FUND. A fund of \$1,000.00 established May 19, 1932, by Mr. C. W. Toms, '89, of New York City, in memory of his son, the late George Newby Toms, '28.

THE MARGARET McCAULL CARMICHAEL LOAN FUND. A fund of \$1,000.00 established by Mr. W. D. Carmichael, '97, on May 25, 1932. Mr. Carmichael is a resident of Durham, N. C., and New York City.

THE JEFFERSON C. BYNUM MEMORIAL LOAN FUND. A trust fund established by Mrs. Jefferson C. Bynum in memory of her husband. The fund of \$2,000.00 to be held in trust for the future education of her two sons, Jefferson C. Bynum, Jr., and Rufus S. Bynum. Pending the matriculation of the beneficiaries at the University, the fund may be loaned to University students.

THE ANNIE LOUISE WATTS HILL LOAN FUND. A fund of \$1,000.00 established by Mr. John Sprunt Hill, of Durham, N. C., on June 4, 1932, as a memorial to his wife.

THE GEORGE BASLEY HISS LOAN FUND. A fund of \$10,000.00 established by Mrs. Bertha T. Hiss, of Charlotte, N. C., in memory of her husband, George Basley Hiss. This fund has been available since June 30, 1932.

Applications for Loans

Applications for loans will be considered when made in person by students registered in the University. The funds are limited in amount and are loaned only on the security of two approved signatures and at the legal rate of interest. Application should be made to the Student Loan Fund office as far in advance as possible.

Self Help

Many students are now working their way through college by every form of honorable labor. A number are here as a result of money earned or borrowed. Students are selected by the authorities as waiters at Swain Hall, as clerks in the University Library, and as helpers in the University Laundry and Buildings Department. Otherwise all opportunities available in the University and town must be secured by the personal efforts of the individual, with the assistance of the Self-Help Bureau of which Mr. Edwin S. Lanier is secretary. They are not assigned by the President of the University nor by the Dean or Administration nor by the Dean of Admission nor by the Dean of Students. Application should be made direct to the Self-Help Bureau of the Y. M. C. A. before May 15, at which time the assignments to Swain Hall, Library, Laundry, and Buildings Department are made.

MEDALS AND PRIZES

THE MANGUM MEDAL IN ORATORY. (Established in 1878). A gold medal founded by the Misses Mangum, late of Orange County, in memory of their father, Willie Person Mangum, class of 1815, is continued by his granddaughter, Mrs. Stephen B. Weeks, and his great-grandson, Mr. Julian Turner, and is awarded to that member of the Senior Class who shall deliver the best oration at Commencement.

THE EARLY ENGLISH TEXT SOCIETY PRIZE. (Established in 1886). A special prize is offered annually by the Early English Text Society of London for advanced work in Anglo-Saxon and Middle English.

THE EBEN ALEXANDER PRIZE IN GREEK. (Established in 1887). A prize of \$10 is offered annually to that member of the Sophomore Class who shall present the best rendering into English of selected passages of Greek not previously read.

THE KERR PRIZE IN GEOLOGY AND MINERALOGY. (Established in 1889). A prize of \$50 is offered annually by Mr. William H. Kerr in memory of his father, Professor Washington Carruthers Kerr, to any undergraduate or graduate student for the best thesis containing original work in the geology or mineralogy of North Carolina.

THE BINGHAM PRIZE IN DEBATE. (Established in 1899). This prize is offered by Mr. R. W. Bingham, in memory of his great-grandfather, grandfather, father, and brother. It is given annually, for excellence in debate. The contestants are representatives of the Literary Societies, and the contest is held during Commencement.

THE BRYAN PRIZE IN POLITICAL SCIENCE. (Established in 1903). A prize will be given annually for the best thesis in Political Science. The fund was established by the late William Jennings Bryan.

THE ARCHIBALD HENDERSON PRIZE IN MATHEMATICS, formerly the WILLIAM CAIN PRIZE. (Established in 1908). A gold medal is offered annually to that student who shall take the highest rank in Mathematics 24-25. No student will be recommended for the prize unless he attains to grade B.

THE MILDRED WILLIAMS BUCHAN PRIZE. (Established in 1920). A fund of one thousand dollars was given by Mr. Edward Robertson Buchan in memory of his wife. The income of this fund is to provide a prize in the Department of Philosophy.

THE PATTERSON MEDAL. (Established in 1924). A gold medal is offered annually by Lieutenant Commander D. F. Patterson, U. S. N., Mr. Albert F. Patterson, and Dr. Joseph F. Patterson to commemo-

rate the memory of their brother, John Durant Patterson. This medal is awarded for general excellence in athletics to a student selected by a special committee.

THE DELTA SIGMA PI SCHOLARSHIP KEY. The Alpha-Lambda Chapter of Delta Sigma Pi awards annually a gold scholarship key. This key is presented to that Senior, who, upon graduation, in the opinion of the faculty ranks highest in scholarship for the entire course in Commerce. Not upon scholarship only is the key awarded but also upon leadership and promise of future usefulness. This key may be awarded to any student in the School of Commerce regardless of whether or not he is a member of Delta Sigma Pi.

THE CHI OMEGA PRIZE. The local chapter of the Chi Omega fraternity offers a prize of \$25 in gold to the student who for the college year does the best work in the Department of Sociology.

THE CORBIS A. WALKER ACCOUNTING AWARD. (Established in 1932). Mr. Corbis A. Walker, of Winston-Salem, offers annually a prize of \$35 to a senior in the School of Commerce who is majoring in accounting. The award is made on the basis of a competitive examination in the field of accounting and business law.

Certain other prizes are offered in the Professional Schools of Law, Medicine, and Pharmacy. For these, see under the several schools.

REGULATIONS

SPECIAL NOTICE TO STUDENTS

This catalogue, issued in the spring of each year, is intended to give such a description of the work of the University and such a digest of its rules as are needed by students. Neither the courses announced nor the rules given are valid beyond the succeeding year, for before the end of the succeeding year a new catalogue will have been issued, superseding all previous catalogues. Ordinarily a student may expect to be allowed to secure a degree in accordance with the requirements of the curriculum laid down in the catalogue in force when he first entered the University, or in any one subsequent catalogue published while he is a student; but the faculty reserves the right to make changes in curricula, as in rules, at any time when in its judgment such changes are for the best interests of the students and the University.

FRESHMAN WEEK

In order to facilitate the process of adjustment which the freshman must pass through, the University has set up a "freshman week" program. The events of this week include mental and physical measurements, pre-registration counseling, special lectures on student traditions, library tours, and social gatherings, in addition to the registration for courses on Wednesday. This program begins with a meeting of the entire freshman class in Memorial Hall at 2:00 p.m. on Monday, September 16, 1935. All students entering the University for the first time in the Freshman class are required to be present at this and all other appointments comprising the program of freshman week.

REGISTRATION

All students are expected to present themselves for registration *Wednesday or Thursday, September 18 or 19, 1935*, between the hours of 9 a.m. and 5 p.m., at the places announced in the plan for registration. Freshmen are expected to complete their registration on *Wednesday, September 18*; all others on *Thursday, September 19*. All men registering here for the first time will report for physical examination to Dr. R. B. Lawson in the gymnasium; all women will consult Mrs. M. H. Stacy, Adviser to Women, in her office in the South Building, third floor. Bills for tuition and fees are payable at the time of registration. For the winter and spring quarters all students except those in the School of Law must register in December and March according to a schedule published immediately before the examinations for the fall and winter quarters begin.

Registration for credit for any course is limited to the first seven calendar days of a quarter, unless the late registration is approved by the instructor concerned, the Dean, and the Administrative Board (or the Special Faculty) of the school.

PAYMENT OF BILLS

Bills for the fall quarter are payable at the time of registration. Bills for the winter and spring quarters are payable at the Business office on the first class day of the quarter. Failure to pay or to make proper arrangements for payment results in the assessment of an extra fee of \$5.00.

DELAYED REGISTRATION

The penalty for delayed registration for any quarter is one month of strict attendance probation for each day of delay. Any student registering later than the time appointed for his registration must pay five dollars (\$5.00) as an additional fee for delayed registration. No appeal from the imposition of either attendance probation or the late registration charge of five dollars will be granted, unless the delay is due to circumstances clearly beyond the student's control. Such appeals must be made in writing to the Dean of Administration, must show clearly good and sufficient justification for the delay in registering, and must bear the approval of the Dean of the division of the University in which the appellant is enrolled.

ARRANGEMENT OF COURSES

Attention is called to the reduction of credit for freshman and sophomore courses when taken late in the student's career. See PART THREE, INTRODUCTORY NOTES.

Each student, when he presents himself for registration, must submit a list of courses, required and elective, which he desires to pursue.

No student will be allowed to take fewer than fifteen nor more than eighteen credit hours without the special permission of his Dean.

Students desiring to change their courses must make written application to their respective Deans for the desired changes. The application will be considered by the Dean and will be granted only after a careful consideration of the facts in each case. The written permission of the Dean must be presented at the office of the Assistant Registrar, room 8, the South Building, and payment be made of the fee of twenty-five cents for each item of change. *Changes in registration are limited to the first seven calendar days of a quarter.*

ASSIGNMENT OF ROOMS

The rooms in the University dormitories are assigned to students by the Cashier in the order of application, subject to the special regulations given below.

The University reserves the right to require any student whom for any reason it considers an undesirable tenant to vacate a room in the University buildings.

In order to retain his room for the next scholastic year, a student must file with the Cashier before May 25 an application and a deposit of \$5.00 as an option. Double rooms must be applied for by both intending occupants. The rooms thus applied for will be retained until September 1, when first payment of rent is due. The \$5.00 option deposit will be forfeited in case the applicant or applicants do not themselves occupy the room and pay the rent. Rooms not applied for or made vacant by failure to pay at the proper date will be assigned in the order of application.

The right to occupy a room is not transferable and terminates with the expiration of the lease. Any attempt on the part of an occupant of a room to sell or transfer his right to occupancy shall be deemed a fraudulent transaction. The penalty for violating this rule shall be the forfeiture of the room by the new lessee.

The occupant of a room will be held directly responsible for any damage done to the furniture in his room or to the room.

No dogs shall be kept in the University dormitories. Breach of this regulation leads to forfeiture of the room.

CONDUCT

By order of the Board of Trustees the Faculty is directed to dismiss from the University any student who is known to engage in drinking intoxicating liquors, gambling, hazing in any form (presence at hazing is regarded as participation), or to be guilty of dissolute conduct. See also Student Government, page 73.

Students persistently neglectful of duty, or addicted to boisterous conduct or rowdiness may be required to leave the University.

Students, unless *bona fide* residents of Chapel Hill, when suspended from the University for disciplinary reasons, must leave the campus and Chapel Hill within forty-eight (48) hours or forfeit the right to readmission at any time.

ATTENDANCE

ARTICLE I

Sec. 1. Regular class attendance is a student obligation.

Sec. 2. The unexcused absence is not recognized as a student privilege.

Sec. 3. Any student having attained the honor roll during two consecutive quarters shall be exempt during the ensuing quarter from the regulations governing absences and shall be exempt thereafter so long as that student maintains the honor roll average. To the foregoing regulation there are to be the following exceptions: (a) the privilege of absence does not apply to attendance requirements

relative to written or laboratory work or to quizzes and examinations; (b) the privilege earned by the student shall be forfeited if that student is absent without excuse immediately before or immediately after holidays.

Sec. 4. Departments or instructors may, on occasion, permit the student to attend or engage in an educational activity other than that of the class as a substitute for class attendance.

ARTICLE II

Sec. 1. The keeping of daily class attendance records is an obligation of the instructor.

Sec. 2. Collection of daily absence reports is an administrative responsibility. These reports shall be conveyed daily to the office of the Assistant Registrar, where they shall be recorded promptly and be made available for use.

ARTICLE III

Sec. 1. Absences from class attendance for cause may be excused. Such absences are those due (a)* to participation on recognized University activities, as those of the Glee Club, Debating and Athletic teams, and the Playmakers, when occurring away from Chapel Hill, such excuses to be issued by the Assistant Registrar; (b)† those due to actual illness, testified to by the physician who attended the student in person during illness; and (c)* those due to emergencies caused by extraordinary circumstances, when excused by the Dean of the School concerned.

Sec. 2. The Registrar's Office shall furnish to the student upon request a record of excused absences for the information of instructors.

Sec. 3. The maximum number of unexcused absences shall not exceed, during any quarter, the number of weekly meetings of the class, provided that any department may impose penalties for a smaller number of absences.

Sec. 4. Absences immediately before or immediately after University holidays shall count as the maximum number described in Section 3 of this Article.

Sec. 5. Any student who has incurred the maximum number of unexcused absences shall be placed on attendance probation, and in case of an additional unexcused absence from any class, may be suspended from the University by his Dean. Before the decision is reached regarding suspension, the Dean shall confer with the instructor or the head of the department involved or both—that is, with the instructor or head of the department in which the student has taken the maximum number of absences.

* Such authorized leaves of absence must be secured in advance.

† Excuses for illness must be reported within forty-eight hours from time of the beginning of the illness.

ARTICLE IV

Sec. 1. Any student who is absent from a quiz or an examination at the appointed time thereof without excuse as defined above in Article III, Section 1, will not be permitted to make up this quiz or examination. Any department may impose a fee not exceeding one dollar (\$1.00) upon the student having excuse for such absence for the privilege of taking a special quiz or examination or a make-up laboratory exercise.

ARTICLE V

Sec. 1. No student unless exempted by Section 3, of Article I shall be given credit in the University for any course unless that student has attended at least 75 per cent of the class meetings of the course during the quarter in which it is offered.

Sec. 2. Departments may require students who have been absent, whether the absences are excused or not, to make up work covered during the periods thereof.

Other Regulations Governing Attendance

In any quarter, absences are counted from the first regular meeting of each class. In no case will a student be considered present at any class until he has been registered as a member of that class.

A student who has been dropped for absences from a sufficient number of classes to reduce his schedule to one course will be suspended from the University for the remainder of the quarter on the ground of neglect of duty.

The grade of a student who quits a course without the permission of the Dean of his College or School is recorded officially as F.

The grade of a student who drops a course in which he is failing at that time shall be recorded as F, unless, in the judgment of his Dean, the reason for his failure be circumstances clearly beyond his control.

A student who is absent from any class without permission on the day immediately preceding or immediately following a holiday or recess shall go on strict probation for thirty days. Any student may appeal his case in writing within five days to the Executive Committee of the faculty.

Attendance at chapel is required of Freshmen every week-day except Saturday and of Sophomores on Mondays and Fridays. Absence from chapel will subject the student to discipline by the Executive.

No student is allowed to absent himself from the University without written permission as provided in Article III, section 1. This permission may, at the discretion of the executive officer, be granted only upon the formal request of the parent or guardian.

EXAMINATIONS

Regular written examinations are required at the end of each quarter in all courses except those the nature of which is such as to make written examinations unnecessary.

Before receiving his degree each senior in the College of Liberal Arts and each senior in the School of Commerce is required to pass to the satisfaction of his major department an examination in the field of his major study. Such a comprehensive examination may be offered to a student only once in any one quarter. This rule became effective with the class receiving degrees in June, 1930.

Special examinations may be taken by students, who have received the condition grade (E), at the period of the special examinations in September. Provided he has no conflict with a course regularly taken by him in the quarter such a student may take the examination with the class at any regular quarter examination in the same subject within a year after he has made the grade E. A senior who makes a grade of E in his last quarter of residence is allowed to take a special examination for removal of the E not earlier than three days after his last examination in that period of examinations. The grade E becomes F if the student fails to pass the reëxamination whether in September or at a regular period.

Under no circumstances may a student stand a special examination to remove a condition grade (E) between the first and the last class days in any quarter unless such examination is requested by the Committee of Deans.

Special examinations for students who have been officially excused from regular examinations on account of sickness or have been absent on account of some necessary cause may be held at suitable times fixed by the Recorder and the instructors concerned. Such examinations must be taken within twelve (12) months of the date of absence.

To be entitled to take a special examination within a quarter, or at the September period, or at a regular quarter examination period, the student is required to file with the Recorder at least one week prior to the examination period a written notice that he desires to take such examination.

Final examinations except in laboratory practice may not be held at any times other than those specified in the preceding regulations.

No examinations may be held later than 6:30 p.m.

All examinations must be held in Chapel Hill.

Examinations should be limited to a period of two hours. In courses in which a considerable portion of the examination is of a *practical* nature, the instructor may extend the time in his discretion.

No students other than the following may take the examination in any course: 1st—regularly enrolled members of the class whose names have been reported from the Recorder's office to the instructor as having registered in due form for the course; and 2nd—those whose names have been reported from the Recorder's office as having the right to take special examinations on that course.

Students absent from an examination without an official excuse or present and failing to submit examination papers are reported "absent." This mark is equivalent in every respect to grade F or failure, and is so reckoned in the office of the Registrar.

Each student is required to subscribe his name to the following pledge or its equivalent on every paper: "I hereby certify that during this examination I have neither given nor received aid." The instructor should not report a grade for any student whose examination paper lacks this pledge.

Papers handed in at a special examination by students who have been officially excused from the regular examination will be graded; all others will be marked "passed" or "failed."

Schedules of examinations at the ends of the terms and in September are to be so arranged that examinations set for the last day of the period shall be set for the first day of the next period.

The order of examinations for the removal of conditions in September, 1935, will be as follows:

Monday, September 16

8:30 a.m.	Music	11:00 a.m.	Education
	Hist. and Government		English
	Mathematics		German
2:00 p.m.	Compar. Literature	4:30 p.m.	Geology
	Greek		Psychology
	Physics		Rural Economics
	Sociology		

Tuesday, September 17

8:30 a.m.	Botany	11:00 a.m.	Chemistry
	Engineering		Commerce
	Latin		Philosophy
2:00 p.m.	Economics		
	Romance Languages		
	Zoölogy		

STANDING

After the close of each quarter reports of the standing of all students in all their studies are sent to parents or guardians. The reports are based upon the following system of marking:

Grade A, Excellent.

Grade B, Good.

Grade C, Fair.

Grade D, Barely passed.

Grade E, Conditioned.

Grade F, Failed.

*Grade I, Work incomplete.

* The grade I may be converted into one of the other grades by completing within a period of twelve months such additional assignments as may be required by the instructor in the course. A grade of I not so converted becomes F.

When a student has shown marked deficiency in the use of English in any course, his grade in that course may have attached a "composition condition" (cc). This condition, while not affecting a student's eligibility for continuance in the University, must be removed before final credit will be allowed. Such conditions may be removed by the completion of the regular freshman courses in English, by passing a special examination (offered each quarter by the Department of English for this purpose), or by completing the non-credit course in elementary English composition.

A student must attain a grade of D to pass in any study. Grade E indicates that the student is conditioned but may remove the deficiency by special examination as explained above. Students receiving grade F must repeat the study to receive any credit for the same.

A student has the right to appeal as to grading of his examination paper by his instructor. The appeal must be made to the President within three months after the examination. The President will appoint a committee of three persons who shall consider the case and whose decision shall be final.

To be eligible for graduation a student must secure the grade of C or higher on at least half of his work.

Interpretation of this ruling:

(1) The rule applies to all undergraduate students in the College and School of Commerce for work passed subsequent to September, 1930.

(2) A student who completes the required courses but with grades which do not entitle him to his degree will be allowed to take additional junior-senior courses until such time as he meets the requirement of the rule.

(3) Transfers with advanced standing will come under this rule only for those courses pursued at this Institution.

A student to be ranked as a Sophomore must have passed seven courses; to be ranked as a Junior, fifteen courses; to be ranked as a Senior, twenty-six courses.

Undergraduate students, in order to be eligible to continue in the University, must qualify according to the following requirements: A freshman must pass something in each quarter, at least ten hours (or the equivalent), in the first two quarters, and at least ten hours (or the equivalent) in the third quarter. After the freshman year (three quarters) a student must pass at least ten hours each quarter. Deficiencies may be made up by correspondence work or in summer school, in which case only credits exceeding five hours credit so obtained shall count for readmission. In three quarters, therefore, a freshman must pass at least twenty hours, or twenty-five if he is making up a shortage by correspondence work or in summer school; and one above freshman year similarly must pass at least

thirty hours or thirty-five if he is making good a deficiency by correspondence work or in summer school.

No student who fails to qualify under the above regulations may be readmitted to *any division* of the University except by a special vote of the Faculty or a delegated committee of the Faculty. This delegated committee of the faculty will meet at 10:00 a.m. on the *last* Saturday in July, at 10:00 a.m. on the second day *before* the stated registration day at the opening of each quarter, and at 10:00 a.m. on the second day *after* the stated registration day at the opening of each quarter to consider written petitions of students who have definite and convincing reasons on which to base a request that the rule be waived. All petitions, except those of students in Law, Medicine, and Pharmacy, should be sent to the Dean of the College of Liberal Arts *in writing* and, to be considered, must be in his hands *before* the stated meetings in that quarter in which the student seeks readmission. Notice is given that the rule may be waived only once for any individual.

WITHDRAWALS

Formal withdrawal, which is a prerequisite to honorable dismissal or reëntrance to this institution, must be approved by the student's Dean to be valid. Such a withdrawal will be approved only after full investigation of the circumstances and after the lapse of twenty-four hours from the time the first application is filed with the Dean. The withdrawal form after approval by the Dean must be filed promptly with the Recorder in room 8, the South Building.

If a student withdraws after the mid-term and is reported as below passing in two or more courses, that quarter will be counted as a quarter in residence in all computations of his requirements for readmission. If a student withdraws before mid-term, it will be left to the discretion of the Dean as to whether or not that quarter is to be counted as a quarter in residence. The Dean's verdict will be indicated specifically on the form used for withdrawal.

GRADUATION

Each Senior will be officially informed by his Dean in September of all deficiencies standing against him.

The number of orations in the contest for the Mangum Medal is limited to four. The candidates must be Seniors in the College, the School of Applied Science, the School of Engineering, the School of Commerce, or the School of Public Administration, and must announce their subjects to their respective Deans by February 1. The orations shall be delivered in private near May 1 before a committee of the Faculty, who shall decide upon the relative merits of the orations. The four successful candidates are known as the Commencement Orators of the Senior Class.

FRATERNITIES

GENERAL REGULATIONS. Students may join fraternities after registration at the opening of any quarter or term provided they are eligible under the special regulations of the Faculty. Before a fraternity may initiate a pledge it must make written inquiry of the Assistant Registrar as to the eligibility of such pledge and must secure a written certificate of eligibility. Pledging of a student to join a fraternity is not allowed until he has been in the University a specified length of time as follows: If he matriculates for the first time in the University in the Summer School or in the fall quarter, he may not be pledged until the regular pledge date for the quarter; if in the winter quarter, until a similar date in that quarter; if in the spring quarter, until a similar date in that quarter. No student may be pledged during the Summer School, but, if a student remains in the Summer School for the full twelve weeks, it may be counted for him as a regular quarter towards meeting the requirements as to residence. A student entering the University with advanced standing, whether he enters an academic or a professional school, may not be pledged until the regular pledge date after the date of his matriculation in this institution; but in no case may a student be pledged during the Summer School.

TRANSCRIPTS OF RECORD

Honorable dismissal has reference to conduct and character only. It will not be granted unless the student's standing as to conduct and character is such as to entitle him to continue in this University. Furthermore, in every statement of honorable dismissal full mention will be made of any probation, suspension, or other temporary restriction imposed for bad conduct which is still in force when the papers of dismissal are issued.

Statement of record has reference to the recorded results of a student's work in the classroom. It will in every instance contain all the important facts pertaining to the student's admission, classification, and scholarship. In particular, no partial or incomplete scholastic record (for example, with failures omitted) will be given without clear evidence that it is partial or incomplete. If the student's scholarship has been such as to prevent his continuance in this University or to render him subject to any probation, suspension, or other temporary restriction which is still in force at the date of the record, a plain statement of any and all such facts will be included, and such information will be given as will make clear the system of grades employed, the number of exercises a week devoted to each course, etc.

Transcripts of record, except the first which is furnished without cost, will be made upon payment of one dollar (\$1.00) for each copy desired.

ATHLETICS

Organization

The Athletic Council, consisting of three members of the faculty appointed by the President of the University, three Alumni elected by the General Alumni Association, three undergraduate students one of whom is the President of the student body, one the President of the athletic association, and one elected by the Undergraduate Monogram Club, the Director of Athletics, and the Assistant Director of Athletics, has direct control of all matters pertaining to athletics. The faculty members of the Council constitute the committee on eligibility and their decisions are final subject to review by the general faculty only. The faculty members in conference with the President of the University have full veto power over all acts of the Council.

The University of North Carolina is a member of the Southern Conference. Therefore all participants in intercollegiate athletics must qualify under the following rules of that body.

Rules of Eligibility of the Southern Conference

The following rules apply to all sports:

Rule 1—*Bona Fide Students.* All regularly matriculated students of a member institution, which holds membership in its regional educational association, shall be eligible for participation in intercollegiate athletics, except as hereinafter provided.

Rule 2—*Academic Proficiency.* Participants in *intercollegiate athletics shall conform to the academic eligibility requirements established by each member institution.

Rule 3—*One-Year Residence Rule.* No student shall participate in varsity athletics in any member institution until after the expiration of twelve months from the date of his matriculation there.

Rule 4—*Returned Students Formerly Enrolled.* No student having been a member of any athletic team of his college during any year and having been in attendance less than one semester or two quarters shall be permitted to participate in any *intercollegiate contest thereafter until he shall have been in attendance one semester or two quarters of his next academic year.

Rule 5—*Special Students.* No special student is eligible to participate in freshman or varsity *intercollegiate athletics.

Rule 6—*Transfer Students.* (a) A transfer student who has participated in any intercollegiate contest, freshman or varsity, in any branch of sports as a member of any **college team shall not be permitted to participate in any *intercollegiate contest in the same sport

* For the purpose of this rule an intercollegiate contest is a contest played by the varsity or the freshman team.

** *Definition of "College."* The word "college" as used in this code means any educational institution which offers a standard four-year course leading to a baccalaureate degree and which requires at least fifteen Carnegie units for entrance.

as a member of a team of any institution of this Conference. Other transfer students become eligible for varsity athletics after satisfying the requirements of the one-year residence rule.

(b) Transfer students who are graduates of junior colleges, normal schools, or other institutions, which are accredited as such by the regional educational accrediting associations, not offering a standard four-year course, may be permitted to engage in varsity athletics immediately; others who are not graduates of such accredited junior colleges will be subject to the restrictions imposed in Rules 3 (One-Year Residence Rule) and 7 (Limit of Participation).

(c) Students who have been in the preparatory department of a junior college, who have taken no college work but have played on the junior college teams, shall not be eligible for freshman participation at Conference institutions.

Rule 7—*Limit of Participation*. Participation in intercollegiate athletics shall be limited to one freshman and three varsity years over a period of five consecutive years counting from the date of first matriculation.

Rule 8—*Freshman Teams*. Freshman teams shall be composed of members of the freshman class only who shall not compete as such for more than one year, and shall be eligible under the rules of this Conference, except the one-year residence rule.

No freshman who has been a student at any other college shall be eligible to compete on a freshman team of a Southern Conference institution.

Rule 9—*Compensation*. (a) No person who receives any compensation from his institution for services rendered by way of regular instruction shall be allowed to participate in any *intercollegiate contest.

(b) No person shall be permitted to participate in any *intercollegiate contest who has ever used his knowledge of athletics or his athletic or gymnastic skill for pecuniary gain; a specific exception is made in the case of any student who has worked in connection with a playground or a summer camp where the requirements do not call for a man with technical preparation in physical training.

(c) No athlete who is the beneficiary of any loan fund, scholarship, or fellowship, that may not be held by the other students in the institution shall be eligible for *intercollegiate athletics.

(d) All scholarship and loan funds for which athletes are eligible must be administered by the officer or committee of the member institution administering such funds.

Rule 10—*Professionalism*. Any college athlete who signs a contract or enters into any agreement, explicit or implicit, with a professional team shall not be eligible for *intercollegiate athletics.

* For the purpose of this rule an intercollegiate contest is a contest played by the varsity or freshman team. This rule does not affect the limit of participation as defined in Rule 7.

No student who has played on a baseball team recognized by the National Commission of Baseball Clubs shall be eligible for *intercollegiate athletics.

Rule 11—*Outside Participation.* No college player is permitted to play on an athletic team other than that of his own college during the college year.

No student who participates in a boxing match where spectators pay for admission, directly or indirectly, except as the representative of the institution in which he is enrolled, shall be eligible for intercollegiate athletics—National Championship Matches and Olympic Games being excepted from this provision.

Rule 12—*Eligibility Certificates.* Before any student can compete in any intercollegiate contest he must fill out an eligibility blank furnished by the Conference which blank shall be kept on file by the Faculty Chairman of Athletics and a copy sent to the President of the Southern Conference.

Special Rules of the University of North Carolina

In addition to the rules of the Southern Conference the following local rules apply to all students participating in intercollegiate athletics:

1. No student will be allowed to take part in athletic contests entailing absence from the University whose parents (or guardians) object to such participation.

2. No student may be a candidate for the baseball team unless he has been in attendance during the preceding winter quarter without the express permission of the Faculty Committee on Athletics.

3. Inasmuch as a member of an athletic team of this University enjoys special honor in thus representing the University, this privilege shall be withheld from any student whose scholastic standing is discreditable. Any student reported as deficient in a majority of his classes may be prohibited by the Dean of his school from participating in any intercollegiate contest until the deficiency is made good.

4. No team will be allowed to be absent from the University for more than ten lecture days during any quarter.

5. No person may take part in preliminary football training before the opening of the fall quarter unless he be eligible to enter the University at the time of such training.

6. The manager of each athletic team shall submit to the Faculty Committee on Athletics a schedule of all engagements before positive arrangements are made.

7. No student shall play upon any athletic team except after physical examination by the University Physician.

8. Before any student can become a member or a substitute member of any athletic team of the University and take part in any

intercollegiate contest he must make application to the Faculty Committee on Athletics and secure the endorsed approval of that committee on his application. It shall be the duty of the Faculty Committee on Athletics to have the Registrar of the University indorse such application to the effect that the applicant is a registered student of the University and has completed the scholastic requirements.

9. It is the duty of the Faculty Committee on Athletics to inquire into the athletic record of the applicant and it shall be the duty of the applicant to appear before the committee and answer on his honor such questions as the committee may see fit to ask.

10. It is the duty of the Faculty Committee on Athletics to require a pledge in writing of the applicant, certifying on his honor that he has never accepted, directly or indirectly, remuneration, compensatory gift, valuable consideration, or promise thereof for his athletic services. The applicant must satisfy the committee that he is in the proper and strict sense of the word an amateur before the committee indorses his application.

11. It is the duty of the Director of Athletics, the members of the coaching staff, the president and the treasurer of the Athletic Association, the members of the Athletic Council, the director of the gymnasium, and the captain of the team concerned to furnish the Faculty Committee on Athletics, on request, a statement to the effect that each member of an athletic team is above their suspicion as to his eligibility to represent the University as an amateur before such player shall be allowed to take part in any contest.

12. To be eligible for intercollegiate athletics in any quarter a student must have passed during his preceding quarter at least ten quarter hours or the equivalent.

REGULATIONS GOVERNING DRAMATIC, MUSICAL, DEBATING, AND SIMILAR ORGANIZATIONS

1. No student will be allowed to take part in dramatic, musical, debating, oratorical, or similar events entailing absence from the University whose parents (or guardian) object to such participation.

2. Any student who was in attendance at the University during a previous quarter must have passed, during his last quarter of attendance, satisfactory examinations upon at least ten quarter hours or their equivalent, before he will be allowed to represent the University in any dramatic, musical, debating, oratorical, or similar event of a public nature.

3. Any student reported during the course of any quarter as deficient in a majority of his classes may be prohibited by the Dean of his school from participating in any dramatic, musical, debating, oratorical, or similar event until such deficiency is made good.

4. No team or club will be allowed to be absent from the University more than ten lecture days during any quarter.

5. No student having membership in more than one of these organizations, or in one of these and one athletic organization will be allowed to be absent from the University more than ten lecture days during any quarter.

STUDENT ENTERTAINMENT COURSE

By vote of the student body in the College of Liberal Arts and the School of Commerce, a fee of \$1.00 a quarter is charged against each student in these two schools for the support of the Student Entertainment Course. Students in other schools may take advantage of the entertainment course at the rate of \$3.50 for the year. The administration of the resulting fund is in charge of a special committee consisting of four students from the two schools and three faculty members.

STUDENT GOVERNMENT

The student body of the University is self-governing. The functions of this government are both disciplinary and constructive. These functions are exercised by the Student Council.

THE STUDENT COUNCIL, 1934-1935

VIRGIL WEATHERS, Chairman *ex officio*

FRANK P. ABERNETHY, Vice-president

FRANCIS H. FAIRLEY, Secretary

WILLIAM S. MARKHAM

JESSE TYSON

LEE J. GREER

FRED G. PATTERSON

FRANK KENAN

ED W. MARTIN

MARVIN ALLEN

The Student Council is composed of nine members, as follows: Representatives of the three upper academic classes, one representative from each of the professional schools of Law, Medicine, and Pharmacy, *one representative elected by the other seven members of the Council, and the President of the Student Body. The member elected by the Council must be chosen from among those who have served on the Council before. The President of the Student Body is *ex officio* Chairman of the Council.

Student government, in so far as it is disciplinary, is based upon the honor principle. No code of rules is laid down to direct a student what to do and what not to do. The only standards are those of morality and gentlemanly conduct. The Student Council is the executive expression of the honor principle. It is the concrete expression of the moral University. Its members being elected of the students by the students, it is grounded upon, and gives expression to, student sentiment. The Council is not an organization of policemen, nor it is based upon a system of espionage. When any student is felt by his fellow students to be unworthy to remain in the University, the Council takes cognizance of this feeling. It examines the matter, finds the facts in the case, and decides upon the course to be pursued. If the student is found guilty of conduct unworthy of a University man, he is promptly required to withdraw from the University. Among the offenses demanding withdrawal may be mentioned drunkenness, cheating, and gambling.

* For 1934-1935 two such representatives were chosen.

PUBLIC LECTURES

THE JOHN CALVIN McNAIR LECTURES

HENRY HORACE WILLIAMS, *Chairman*

The lecture fund established by the will of John Calvin McNair, of the class of 1849, became available in 1906, and the interest therefrom rendered it possible to begin the lectures in 1908. The lectures are given once every two years. The honorarium for the lectures amounts to \$1000 and the remainder of the interest from the fund provides for the suitable publication of the lectures. Under the will the objects of the lectures "shall be to show the mutual bearing of science and religion upon each other and to prove the existence of attributes (as far as may be) of God from nature."

The lectures for 1931-1932 were delivered by Dr. R. A. Millikan of the Norman Bridge Laboratory of Physics, California Institute of Technology, Pasadena, California.

THE WEIL LECTURES

DUDLEY DEWITT CARROLL, *Chairman*

During the years 1914-1915 an unendowed lectureship on American Citizenship was established by the University. The first incumbent was ex-President William Howard Taft, who lectured on "The Presidency: Powers, Duties, Obligations, and Responsibilities." Since that time this foundation, named the Weil Lectures on American Citizenship, has been permanently established through the generosity of the families of Mr. Sol Weil and Mr. Henry Weil, of Goldsboro, N. C.

The series for 1933-1934 was delivered by Dr. George Norlin, President of the University of Colorado. His general subject was: Fascism and Citizenship.

UNIVERSITY ORGANIZATIONS

THE SENATE OF THE DIALECTIC LITERARY SOCIETY AND THE GENERAL ASSEMBLY OF THE PHILANTHROPIC LITERARY SOCIETY

The Dialectic and the Philanthropic Literary Societies were organized in 1795, the year of the opening of the University. Their existence has been inseparably linked with that of the University and they have shown remarkable power in developing character, as well as in training the intellect. They offer facilities for practice in debate, oratory, and essay writing; and their members become familiar with parliamentary law and procedure.

In 1919 the Philanthropic Society was reorganized on the plan of the General Assembly of the State and changed its name accordingly. Similarly in 1924 the Dialectic Society after reorganization became the Dialectic Senate.

THE ELISHA MITCHELL SCIENTIFIC SOCIETY

GERALD RALEIGH MACCARTHY, Ph.D., *President*

RALPH WALTON BOST, Ph.D., *Vice-President*

EDWARD TANKARD BROWNE, Ph.D., *Permanent Secretary*

EVANS WILLIAM MCCHESENEY, Ph.D., *Recording Secretary and Treasurer*

The Elisha Mitchell Scientific Society holds monthly meetings during the college year for the discussion of scientific subjects. A *Journal*, which is the official organ of the Society and of the North Carolina Academy of Science, is issued quarterly. The objects of the society are to encourage scientific research and to record the results of such work, especially those that pertain to the natural history of the State. It is now in its fifty-first year. The volumes already issued contain more than six thousand pages. By the exchange of the *Journal* with more than three hundred scientific journals and periodicals many thousands of books and pamphlets have been collected, all of which are arranged in the University Library. The membership is at present restricted to the faculty and students of the University, and members of the staff of the State Department of Conservation and Development.

THE PHILOLOGICAL CLUB

STERLING AUBREY STOUDEMIRE, Ph.D., *President*

ARTHUR PALMER HUDSON, Ph.D., *Vice-President*

ANDREW JOHN MAHLER, M.A., *Secretary*

FREDERICK EDWARD COENEN, A.M., *Treasurer*

The Philological Club meets in the lounge of the Graduate Club on the first Tuesday evening of each month during the college year.

Its membership consists of the faculty and advanced students in the language and literature departments of the University. The objects of the club are to stimulate original investigation in language and literature and to afford an opportunity for the interchange of views on subjects relating to such work. At each meeting papers are read and discussed.

DER DEUTSCHE VEREIN

MENO HANS SPANN, Ph.D., *Director and Adviser*

The Verein was established for the purpose of maintaining and stimulating among the officers and students of the University interest in German literature and music, life and customs, progress and achievements. The aim is to employ the German language as much as possible. The effort is made to provide students of German with an opportunity to perfect their pronunciation and to improve their control of the spoken language.

LE CERCLE FRANCAIS

WALTER DEVEREAUX CREECH, JR., A.M., *Adviser*

Le Cercle Français holds bi-monthly meetings at which topics of general interest pertaining to French literature and French life, manners, and customs are discussed. The French language is employed exclusively. It is the aim of the club to stimulate interest in the French language, and to provide its members with an opportunity to hear idiomatic French spoken and to use the language with more facility. All officers and students of the University interested in the study of French are eligible for membership.

EL CLUB ESPAÑOL

FRANCES CLEMENT HAYES, M.A., *Adviser*

The membership of *El Club Español* consists of students of the University who are interested in Spanish. The object of the club is to stimulate interest in the language, literature, and customs of Spain, and to give its members an opportunity to hear and speak Spanish.

THE NORTH CAROLINA CLUB

SAMUEL HUNTINGTON HOBBS, JR., Ph.D., *Secretary*

The North Carolina Club was organized September 25, 1914, for the purpose of providing an open forum to review, interpret, and discuss the economic, social, and civic problems of the State. It is an organization composed of students and faculty members who are bent upon accurate, intimate acquaintance with North Carolina. The Club meets for an hour upon fortnightly Monday evenings for the reading and discussion of a paper prepared by a member. Graduate

and undergraduate college credit is given for creditable work provided the student registers in advance for Club credit. The studies of the North Carolina Club are given to the public in its annual Yearbook.

AMERICAN SOCIETY OF CIVIL ENGINEERS

The William Cain Student Chapter

WYATT HAMILTON McNAIRY, *President*

WILFRED CAMERON MORRISON, *Secretary*

The purposes of the Chapter are to afford the student in Civil Engineering practice in the preparation and presentation of engineering papers, to give a working knowledge of parliamentary law, to develop the ability to speak extemporaneously, and to provide a contact between students, faculty, and visiting engineers.

Membership is open to all students of the Division of Civil Engineering.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

The University of North Carolina Branch

ROBERT MOTT QUERY, *Chairman*

BILLY BEN PARKER, *Secretary*

The aims of the Branch are to stimulate interest in modern problems in the various fields of electrical engineering, and to acquaint the students with the profession he is preparing to enter by means of papers presented by student members and practising engineers.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS

The University of North Carolina Branch

CALDER ATKINSON, *President*

JULIAN DECATUR MAYNARD, JR., *Secretary*

The object of the Branch is to assist the student, while receiving training in preparation to practise the profession of mechanical engineering, to gain a proper perspective of engineering work by enabling him to become acquainted with the personnel and problems of those actively engaged in this profession.

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

The University of North Carolina Student Chapter

RICHARD LEROY HUBER, *President*

WILLIAM VAN LANDINGHAM BINDER, *Secretary*

The Chapter holds fortnightly meetings at which problems of interest to the chemical engineer are discussed by guest speakers. The Chapter sponsors Chemical Engineers' Day on which occasion a series of seminars and public lectures is presented by distinguished visiting chemical engineers. Membership is open to all students interested in chemical engineering.

MUSICAL ORGANIZATIONS

The Department of Music extends its facilities with respect to both faculty and equipment to the support of the musical organizations. In addition a collection of records, scores, books on music, together with phonographs for audition purposes are accessible to all students of the University during certain hours daily; and provision is made for the reception of the weekly broadcasts of symphonies, operas, and other important programs.

The Hill Music Auditorium, seating eight hundred people, with its four manual concert organ, is the home of recitals and concerts by faculty members, students in the department of music, and visiting artists. The Vesper Organ Series, given by Professor Nelson O. Kennedy, head of the department of organ, is presented on the second Sunday afternoon of each month throughout the school year.

The University Glee Clubs

H. GRADY MILLER, *Conductor*

These organizations are open to all students of the University. The work in the Men's Glee Club and in the Women's Glee Club is carried on as a part of the curriculum in Music. Each group devotes its time to the study and performance of appropriate vocal literature and the schedule is so arranged that the two groups may join forces for the interpretation of compositions for mixed chorus. Provision is made for frequent concert appearances of these organizations.

The Chapel Hill Choral Club

EXECUTIVE COMMITTEE

MRS. L. C. MACKINNEY, *Chairman*

MRS. R. H. WETTACH

MRS. G. A. HARRER

MR. JESSE PARKER

DR. C. E. PRESTON

MR. O. E. RICHARDSON

H. GRADY MILLER, *Conductor*

MRS. A. S. WHEELER, *Pianist*

PROF. NELSON O. KENNEDY, *Organist*

The University Symphony Orchestra

EARL A. SLOCUM, *Conductor*

The personnel of this organization includes students, faculty, and townspeople. The rehearsals are devoted to the study of standard symphonic literature and several concerts with instrumental and vocal soloists as assisting artists are given during the year. For details concerning credit in orchestra for regularly enrolled students, see the announcement of the Music Department.

The University Band

EARL A. SLOCUM, *Conductor*

The band is organized as a regular course in the Music Department, devoted to the study and performance of the standard musical literature for this type of ensemble group. In addition, especially during the fall quarter, the band coöperates with the Athletic Association in providing music for the football games, and the band usually makes one or more trips with the team. During the winter and spring quarters, as conditions permit, concert tours throughout the state are arranged.

Alpha Rho Chapter of Phi Mu Alpha (Sinfonia)

This chapter of the national honorary musical fraternity is composed of students of music, and such other students and faculty members as reveal particular interest in the participation in musical performance. The members of the chapter act as hosts for all musical events occurring in Hill Music Hall throughout the year. In order to create a fund from which scholarships for worthy students of music may accrue, the Alpha Rho chapter of Sinfonia sponsors each year a concert by a world-famous musical artist.

THE CAROLINA PLAYMAKERS

FREDERICK HENRY KOCH, A.M., *Director*
SAMUEL SELDEN, A.B., *Associate and Technical Director*
HARRY ELLERBE DAVIS, A.B., *Assistant Director and
Business Manager*

The Carolina Playmakers is the University dramatic organization.

Its purpose, as set down in the Charter, is: "First, to promote and encourage dramatic art, especially by the production and publishing of plays; Second, to serve as an experimental theatre for the development of plays representative of the traditions and present-day life of the people; Third, to extend its influences in the establishment of a native theatre in other communities." It is incorporated under the laws of the State of North Carolina as a non-stock corporation.

The Carolina Folk-Plays and other plays of American locale are written and produced in the University courses in Dramatic Composition and Production, members of the community of Chapel Hill—students, faculty, and townspeople—assisting. Those who contribute to the writing or producing of the plays constitute the membership of the organization. Any student may participate in any of the various departments of the work.

The Playmakers now have their own theatre building on the campus, fully equipped for all manner of experimentation and production. Besides this, their Forest Theatre furnishes an ideal setting

for out-of-door productions. They have an adequate workshop for the construction and painting of scenery and for the making of costumes.

The large stage in the University auditorium, Memorial Hall, provides ample facilities for traveling professional companies.

YOUNG MEN'S CHRISTIAN ASSOCIATION

FRANCIS FOSTER BRADSHAW, *Chairman, Board of Directors*

JULIAN DALLAS WINSLOW, *President*

PHILIP GIBBON HAMMER, *Recording Secretary*

HARRY FULCHER COMER, M.A., *General Secretary*

EDWIN SIDNEY LANIER, *Self-help Secretary*

The Young Men's Christian Association is an organization of students which seeks by precept and example to encourage right and wholesome Christian living. In this spirit it endeavors to extend a helping and active influence to every sphere of campus activity.

Not unaware of its essentially religious nature, it strives in every feasible way to make the religion of the campus very real and very genuine, and to uphold the Christian life as the ideal in conduct, thought, and temperament for every man. To those who are so inclined it offers unlimited opportunity for religious service and personal growth.

The Association has very greatly enlarged its program and staff in the past five years, keeping step with progress in all other departments of the University, and with the increase in student enrollment.

PART THREE

In this section are listed and described all courses offered in the regular sessions of the University except those in the professional schools of Law, Medicine, Pharmacy, and Library Science. For courses in these schools see PART FIVE.

NOTES ON THE METHOD OF NUMBERING AND COUNTING COURSES

The work of the University, except in the School of Law, is arranged and offered on the quarter system, the regular session being divided into three approximately equal parts called the fall, winter, and spring quarters. The summer session of twelve weeks is divided into two terms of six weeks each.

Work is valued and credited by quarter hours, *one such hour being allowed for each class meeting a week for a quarter, laboratory or field work counting one hour for each two hours of work in laboratory or field. In the following announcements of courses the numbers in parenthesis following the descriptive titles show the credits allowed in quarter hours.

In the event that required freshmen subjects are taken after a student begins his seventh quarter or required sophomore subjects after he begins his tenth quarter, such subjects carry half credit only. This rule applies to the class registered as freshmen in the year 1925-1926 and to all later registrants.

**Courses numbered from 1 to 10 are for freshmen only, from 11 to 20 are ordinarily for freshmen and sophomores, from 21 to 40 for sophomores, from 41 to 50 for sophomores (but open to juniors or seniors), from 51 to 100 for juniors and seniors, from 101 to 200 for advanced undergraduates and graduates, from 201 to 400 for graduates only. Courses numbered 301 to 400 are research courses. Undergraduates may not take courses numbered above 200 except by special permission of the instructor in the course and the head of the department. Courses numbered from 1 to 100 carry no credit towards any advanced degree.

* In the case of elementary courses in foreign language taken by those who do not qualify for the regular freshman courses of collegiate grade the work is counted towards a degree as of the same value as the regular freshman courses.

** Courses in chemistry for undergraduates are grouped by decades under the headings inorganic, analytical, organic, etc.

DEPARTMENT OF BOTANY

Professors COKER, TOTTEN, COUCH; Teaching fellow RAPER; Assistants MISSES HOLLAND, RICE, MESSRS. BARKSDALE, HEWITT, DOUBLES, MUNCH.

Courses for Undergraduates

11-12-13. GENERAL BOTANY. (12). Freshman and Sophomore elective.

An introduction to plant biology, with particular emphasis on the nature and characteristics of all living matter; the interrelationships of plants and animals; the part played by bacteria and fungi in decay, disease, and nitrogen fixation; the control of disease by man; the economic importance of plants and their improvement by selection and breeding; theories of evolution; structure and life histories of selected plant types. *Three lecture and two laboratory or field trip hours a week, throughout the year. Laboratory fee, \$2.00 a quarter.* Professor Couch; Assistants.

41. GENERAL BOTANY. (6).

A more condensed course in general botany than is Botany 11-12-13, designed for those students who find it desirable to cover a course in general botany in one quarter; not open to students credited with Botany 11-12-13. *Four lecture and four laboratory or field trip hours a week, fall or spring quarter. Laboratory fee, \$4.00.* Professors Coker, Totten, Couch; Assistants.

(This course is given in the first term of the Summer Session of 1935 as Botany s41.)

42. PHARMACEUTICAL BOTANY AND PHARMACOGNOSY. (6). Prerequisite, General Botany. Sophomore requirement in the School of Pharmacy; elective in the School of Applied Science; in the College of Liberal Arts credit is restricted to students preparing to study medicine and those whose major is botany.

A study of drug plants; the structure of their parts and contents; the localization and identification of crystals, starches, mucilages, gums, oils, resins, glucosides, alkaloids, etc.; macroscopical and microscopical study and identification of crude drugs and their adulterants and some study and identification of their powders. *Three lecture and six laboratory hours a week, winter quarter. Laboratory fee, \$4.00.* Professor Totten; Assistants.

43. STRUCTURE AND CLASSIFICATION OF SEED PLANTS. (6). Prerequisite, General Botany.

A continuation of general botany, with more advanced work in the structure and classification of seed plants. Special attention is given to the study of the local flora, and of the introduced ornamental plants found in the Arboretum, with some work in the propagation of cultivated plants. *Three lecture and six laboratory or field trip hours a week, spring quarter. Laboratory fee, \$4.00.* Professor Totten.

(This course is given in the Summer Session of 1935 as s43 by Professor Totten and Assistants.)

52. ADVANCED PHARMACOGNOSY. (3). Senior requirement in the School of Pharmacy for students in groups B and C. Prerequisite, General Botany and Botany 42.

Advanced work in the study of drug plants; their cultivation, collection, curing, preparation for study; the evaluation of crude plant and animal drugs; with most emphasis upon the study and identification of powdered drugs and their adulterants. *One lecture and four laboratory hours a week, winter quarter. Laboratory fee, \$4.00.* Professor Totten.

Courses for Graduates and Advanced Undergraduates

103. STRUCTURE AND CLASSIFICATION OF THE ALGAE. (5). Prerequisite, General Botany.

A study of the morphology and classification of the Algae. Lectures, reports, laboratory and field work. The subject may be continued under the same number for more than one quarter as the subject advances, credit being given for each repetition. *Two lecture or report and six laboratory or field work hours a week, spring quarter. Laboratory fee, \$4.00.* Professor Couch.

(This course is given in the Summer Session of 1935 as s103 by Professor Couch. Botany s103 carries credit of 5 or 3 quarter hours according to the amount of work accomplished.)

111, 112, 113, s114. STRUCTURE AND DEVELOPMENT OF THE FUNGI. (5 each quarter). Prerequisite, General Botany.

A study of the morphology of the fungi, with special attention to plant diseases, to the culture and development of the lower fungi, and to the identification of mushrooms. Lectures, reports, laboratory and field work. *Two lecture or report and six laboratory or field trip hours a week, fall, winter, and spring quarters, and in the first term of the Summer Session. Laboratory fee, \$4.00 a quarter.* Professor Couch.

122. STRUCTURE, GROWTH, AND CLASSIFICATION OF THE LIVERWORTS. (5). Prerequisite, General Botany.

Two lecture or report and six laboratory or field trip hours a week, winter quarter. Laboratory fee, \$4.00. Professors Coker, Couch.

133. STRUCTURE, GROWTH, AND CLASSIFICATION OF THE MOSSES. (5). Prerequisite, General Botany.

Two lecture or report and six laboratory or field trip hours a week, spring quarter. Laboratory fee, \$4.00. Professors Coker, Couch.

141. STRUCTURE, GROWTH, AND CLASSIFICATION OF THE FERNS. (5). Prerequisite, General Botany.

Two lecture or report and six laboratory or field trip hours a week, fall quarter. Laboratory fee, \$4.00. Professor Coker; Miss Holland.

151, 153, s154. ADVANCED WORK IN THE STRUCTURE AND CLASSIFICATION OF SEED PLANTS. (5 each quarter). Prerequisite, General Botany and Botany 43 or Botany s43.

For each of these courses the student is required to collect, prepare herbarium specimens, and classify two plants each from twenty families of seed plants, with notes on the families and sketches to show the principal characteristics of one plant in each of these families. *One conference a week with the instructor, fall and spring quarters, and the second term of the Summer Session. Laboratory fee, \$4.00.* Professor Totten.

162. STUDIES IN THE HISTORY OF BOTANY. (3). Prerequisite, two courses in botany.

Readings and reports. This course may continue for more than one year as the subject advances, credit being given for each repetition. *Three hours a week, winter quarter.* Professor Coker; Miss Holland.

Courses Primarily for Graduates

211, 212, 213, s214. ADVANCED WORK IN THE HISTOLOGY, MORPHOLOGY, AND PHYSIOLOGY OF THE FUNGI. (5 each quarter).

The student is required to collect and prepare material for the microscopic study of special problems. Theses. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Fall, winter, and spring quarters, and the first term of the Summer Session. Laboratory fee, \$4.00 a quarter.* Professors Coker, Couch.

251, 252, 253, s254. MORPHOLOGY OF SEED PLANTS. (5 each quarter).

Advanced work in the embryology and anatomy of seed plants. The student is required to collect and prepare material for the microscopic study of special problems. Theses. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Fall, winter, and spring quarters, and the second term of the Summer Session. Laboratory fee, \$4.00 a quarter.* Professors Coker, Totten.

301, 302, 303. GRADUATE RESEARCH. (5 each quarter).

Original work with thesis under the guidance of the instructor. These courses may cover most of the work of the student for several years, credit being given each quarter in accordance with the work done. *Laboratory fee, \$4.00 a quarter.* Professors Coker, Totten, Couch.

DEPARTMENT OF CHEMISTRY

Professors WHEELER, CAMERON, DOBBINS, Associate Professors EDMISTER, CROCKFORD, BOST, Assistant Professor MARKHAM; Teaching Fellows ALEXANDER, KYKER, WILLIAMS; Assistants BELCHER, BRENNER, FARR, FORE, KNIGHT, LeCONTE, LOFTIN, NICHOLSON, POWELL, SIMMONS, Miss THOMAS, Miss WHITE.

Courses for Undergraduates

1-2-3. GENERAL DESCRIPTIVE CHEMISTRY. (12).

An introduction to the study of the principal non-metallic and metallic elements and their compounds. Lectures with laboratory work. Sophomore elective. *Three lecture and two laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$3.00 a quarter.* Professors Cameron, Dobbins, Edmister, Markham; Messrs. Belcher, Brenner, Knight, LeConte, Loftin, Powell, Simmons.

4-5. GENERAL DESCRIPTIVE CHEMISTRY. (13).

An introduction to the study of the principal non-metallic and metallic elements and their compounds. This course is equivalent to Chemistry 1-2-3 but is designed primarily for students registered for S.B. in Chemistry, Geology, and Pharmacy degrees. Lectures with laboratory work. *Five lecture and three laboratory hours a week, fall and winter quarters. Laboratory fee, \$4.50 a quarter.* Professors Cameron, Dobbins, Edmister, Markham; Messrs. Belcher, Brenner, Knight, LeConte, Loftin, Powell, Simmons.

6. INORGANIC CHEMISTRY. (5). Prerequisite, Chemistry 1-2-3 or 4-5.

Extension of Chemistry 4-5, with description of the heavy metals and their uses, the rare metals and their practical importance, the rare earths, noble gases, etc. *Five hours a week, spring quarter.* Professor Edmister.

31. QUALITATIVE ANALYSIS. (6). Prerequisite, Chemistry 1-2-3 or 4-5. Value,

Laboratory work and lectures. *Three lecture and six laboratory hours a week, fall or spring quarter. Laboratory fee, \$10.00.* Professors Dobbins, Markham; Mr. Fore, Miss White.

41. ELEMENTARY QUANTITATIVE ANALYSIS. (6). Prerequisite, Chemistry 31.

Gravimetric Analysis. Laboratory work, lectures, and stoichiometric exercises. *Three lecture and six laboratory hours a week, fall quarter. Laboratory fee, \$10.00.* Professor Dobbins; Mr. Nicholson, Miss Thomas.

42. ELEMENTARY QUANTITATIVE ANALYSIS. (6). Prerequisite, Chemistry 31.

Volumetric Analysis. Laboratory work, lectures, and stoichiometric exercises. *Three lecture and six laboratory hours a week, winter or spring quarter. Laboratory fee, \$10.00.* Professors Dobbins, Markham; Mr. Nicholson, Miss Thomas.

61. ORGANIC CHEMISTRY. (6). Aliphatic Series. Prerequisite, Chemistry 31.

Three lecture and six laboratory hours a week, fall or winter quarter. Laboratory fee, \$10.00. Professors Wheeler, Bost; Messrs. Kyker, Williams.

71. CHEMISTRY OF FOODS. (6). Prerequisite, Chemistry 42, 61.

The composition, digestion, absorption, and metabolism of foods. *Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, \$10.00.* Professor Bost.

81. ELEMENTARY PHYSICAL CHEMISTRY. (6). Prerequisite, Chemistry 42.

Study of the properties of solids, liquids, and gases, and of their relation to chemical constitution. *Four lecture and four laboratory hours a week, fall quarter. Laboratory fee, \$7.00.* Professor Crockford; Mr. Farr.

83. ELEMENTARY PHYSICAL CHEMISTRY. (5). Prerequisite, Chemistry 1-2-3 or 4-5, and Math 1, 2, 3. Does not carry credit toward S.B. in Chemistry.

Designed for A.B. students or students taking pre-medical, pharmaceutical, or other scientific work. A presentation of the fundamental principles of physical chemistry and their application to practical problems in science. *Four lecture and two laboratory hours a week, spring quarter. Laboratory fee, \$3.00.* Professor Crockford or Professor Cameron.

84. ELEMENTARY COLLOID CHEMISTRY. (6). Prerequisite, Chemistry 31, 42, 61, 62.

An introduction to the study of matter in the colloidal state. *Three lecture and six laboratory hours a week, fall quarter. Laboratory fee, \$7.00.* Professor Markham.

91, 92. TECHNICAL QUANTITATIVE ANALYSIS. (6 each). Prerequisite, Chemistry 41, 42.

Quantitative analysis of water, coal, gas, silicates, iron, steel, alloys, paints, and cotton products. *Three lecture and six laboratory hours a week, winter and spring quarters. Laboratory fee, \$10.00 a quarter.* Professor Markham.

Courses for Graduates and Advanced Undergraduates

143. THEORETICAL ANALYTICAL CHEMISTRY. (6). Prerequisite, Chemistry 31, 41, 42.

A detailed study of the reactions of all the common metallic and acidic ions from the standpoint of mass action, solubility product, and oxidation and reduction. This course is designed to give a comprehensive review of inorganic and analytical chemistry. *Six hours a week, spring quarter.* Professor Dobbins.

151. ADVANCED INORGANIC CHEMISTRY. (5). Prerequisite, Chemistry 1-2-3 or 4-5, 31, and one other course in Chemistry.

Reading assignments. Selected chapters in inorganic chemistry which may be changed from year to year, to illustrate and demonstrate modern methods of investigation. Private readings and library research in lieu of laboratory. Designed for students preparing to become professional chemists or to enter professions in which chemistry is an essential tool. *Four lectures and a symposium a week, fall quarter.* Professor Cameron.

162. ORGANIC CHEMISTRY. (6). Aromatic Series. Prerequisite, Chemistry 61.

This course does not carry graduate credit for students majoring in Chemistry. *Three lecture and six laboratory hours a week, winter or spring quarter. Laboratory fee, \$10.00.* Professors Wheeler, Bost; Messrs. Kyker, Williams.

163. QUALITATIVE ORGANIC ANALYSIS. (6). Prerequisite, Chemistry 61, 62.

A study of the theory of solubility, homology, class reactions, and the functional groups in organic compounds. Individual substances and complex mixtures are studied. *Three lecture and six laboratory hours a week, fall quarter. Laboratory fee, \$10.00.* Professor Bost.

164. CHEMISTRY OF DYE STUFFS. (5). Prerequisite, Chemistry 61, 62. Lectures and laboratory. (1936 and alternate years.) *Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, \$10.00.* Professors Wheeler, Bost.

165. ADVANCED TOPICS IN ORGANIC CHEMISTRY. (5). Prerequisite, Chemistry 61, 62.

Lectures and laboratory. (1937 and alternate years.) *Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, \$10.00.* Professors Wheeler, Bost.

167, 168. ADVANCED ORGANIC PREPARATIONS. (3 each). Prerequisite, Chemistry 61, 62.

Laboratory course. *Six laboratory hours a week, any two quarters. Laboratory fee, \$10.00 a quarter.* Professors Wheeler, Bost.

169. QUANTITATIVE ORGANIC ANALYSIS. (3). Prerequisite, Chemistry 163.

Quantitative determination of carbon, hydrogen, nitrogen, halogens, sulphur, and a few other elements by well established methods. *Six laboratory hours a week, winter or spring quarter. Laboratory fee, \$7.00.* Professors Wheeler, Bost.

182. ELEMENTARY PHYSICAL CHEMISTRY. (6). Prerequisite, Chemistry 81.

Continuation of Chemistry 81. This course does not carry graduate credit for students majoring in Chemistry. *Four lecture and four laboratory hours a week, winter quarter. Laboratory fee, \$7.50.* Professor Crockford; Mr. Farr.

183. ADVANCED PHYSICAL CHEMISTRY. (5). Prerequisite, Chemistry 81, 82 or their equivalent.

A thorough review of the methods and principles of Physical Chemistry. *Five hours a week, winter quarter.* Professor Crockford.

191, 192. CHEMICAL TECHNOLOGY. (6 each). Prerequisite, Chemistry 61, 62, 91, 92.

The methods and economics of the chemical industries. Lectures and laboratory work. *Three lecture and six laboratory hours a week, fall and winter quarters. Laboratory fee, \$10.00 a quarter.* Professor Cameron; Mr. Alexander.

Courses Primarily for Graduates

231. DETECTION OF POISONS. (6). Prerequisite, Chemistry 31, 42, 61, 62.

The isolation from extraneous material, identification, and quantitative estimation of small quantities of the common industrial and medicinal poisons. *Three lecture and six laboratory hours a week, winter quarter. Laboratory fee, \$10.00.* Professor Dobbins.

241-242-243. ANALYTICAL CHEMISTRY. (9). Prerequisite, Chemistry 41, 42.

Fall, winter, and spring quarters. Professor Dobbins.

252, 253. HISTORY OF CHEMISTRY. (3 each). Prerequisite, Chemistry 31, 61, 62.

Historical background of chemistry. Biographical sketches of eminent scientists. Development of chemical laws and theories. *Three hours a week, winter and spring quarters.* Professor Edmister.

261-262-263. (9). THEORIES OF ORGANIC CHEMISTRY, ORGANIC REACTIONS, SPECIAL TOPICS. Prerequisite, Chemistry 163.

Fall, winter, and spring quarters. Professors Wheeler, Bost.

281, 282. CHEMICAL THERMODYNAMICS. (3 each). Prerequisite, Chemistry 81, 82.

A study of the chemical thermodynamics with special emphasis on recent developments in this field. *Three hours a week, fall and winter quarters.* (1936-1937 and alternate years.) Professor Crockford.

284, 285. ELECTROCHEMISTRY. (3 each). Prerequisite, Chemistry 81, 82.

A comprehensive treatment of the electrochemistry of solutions with special emphasis on recent developments in this field. *Three hours a week, fall and winter quarters.* (1935-1936 and alternate years.) Professor Crockford.

286. SPECIAL TOPICS IN PHYSICAL CHEMISTRY. (3). Prerequisite, Chemistry 183.

Three hours a week, any quarter. Professor Crockford.

287-288-289. (9). HETEROGENEOUS EQUILIBRIA, PHASE RULE, FILM AND COLLOIDAL PHENOMENA.

Fall, winter, and spring quarters. Professor Cameron.

RESEARCH COURSES.

These courses are intended for applicants for advanced degrees. Laboratory work with frequent conferences with the professor and reference to the literature relating to the subject of research. The subject of research must be assigned or approved by the professor. A student may spend a part or all of his time in research. *Laboratory fee, \$10.00 a course.*

341. ANALYTICAL CHEMISTRY. (5 or more).

Professors Dobbins, Markham.

351. INORGANIC CHEMISTRY. (5 or more).

Professor Edmister.

361. ORGANIC CHEMISTRY. (5 or more).

Professors Wheeler, Bost.

381. PHYSICAL CHEMISTRY. (5 or more).

Professors Cameron, Crockford.

391. INDUSTRIAL CHEMISTRY. (5 or more).

Professor Cameron.

DEPARTMENTS OF CLASSICAL LANGUAGES AND LITERATURES

Professors HOWE, BERNARD, HARRER, HARLAND; Associate Professor SANDERS; Instructor ELLIOTT; Teaching Fellow SUSKIN.

GREEK

Courses for Undergraduates

1-2-3. ELEMENTARY AND INTERMEDIATE GREEK. (9).

A course running through three quarters, designed for beginners and for those whose preparation is not sufficient to qualify them for Intermediate Greek (11-12-13). *Six hours a week, through the year.* Professor Bernard.

11-12-13. INTERMEDIATE GREEK. (9).

A course running through three quarters, designed for those who show evidence of adequate preparation. Sophomore elective. *Three hours a week, through the year.* Professors Bernard, Harland.

14-15-16. SPECIAL COURSE IN ELEMENTARY GREEK. (9).

A course for beginners open only to those who desire an introduction to a second foreign language and who give evidence of being especially well qualified for such study. Sophomore elective. *Three hours a week, through the year.* Professor Bernard.

21-22-23. ADVANCED GREEK. (9). Prerequisite, Greek 1-2-3 or 11-12-13 or the equivalent.

Survey of Greek Literature with selected readings from representative authors. Sophomore elective. *Three hours a week, through the year.* Professor Bernard.

53. INTRODUCTION TO GREEK DRAMA. (5). Prerequisite, Greek 21-22-23.

One tragedy and one comedy will be studied. *Five hours a week, one quarter, on application.* Professor Bernard or Professor Harland.

58. THE GREEK NEW TESTAMENT. (5). Prerequisite, Greek 21-22-23.

St. Mark's Gospel, with selections from other parts of the New Testament. This course is designed for students who wish a more intimate knowledge of the Bible in its original language and especially for divinity and Y. M. C. A. students. *Five hours a week, one quarter, on application.* Professor Bernard.

71. GREEK HISTORY. (5). Prerequisite 21-22-23 or equivalent.

Selections from the Greek Historians, chiefly Herodotus, will be read and reports will be made on related topics in Greek History. *Five hours a week, fall quarter, on application.* Professor Harland.

81. THE GREEK ORATORS. (5).

Select orations from Lysias and Demosthenes. (1936 and alternate years.) *Five hours a week, winter quarter.* Professor Bernard or Professor Harland.

Courses for Graduates and Advanced Undergraduates

112. HOMER: ADVANCED COURSE. (5). Prerequisite, Greek 11-12-13.

Rapid reading of the Odyssey with Homeric Study. *Five hours a week, one quarter, on application.* Professor Harland or Professor Bernard.

153-154. GREEK DRAMA: ADVANCED COURSE. (10). Prerequisite, Greek 53.

An extended reading and study of the Greek drama, with lectures on the origin, history, and structure of the drama. *Five hours a week, two quarters, on application.* Professor Bernard.

158. THE GREEK NEW TESTAMENT. (5). Prerequisite, Greek 58.

The Acts of the Apostles: study of grammar and diction and comparison with English versions; the Gospels, with selections from the Epistles; the principles of textual criticism, sources and history of the Greek text and the versions. *Five hours a week, one quarter, on application.* Professor Bernard.

171. GREEK HISTORY. (5). Prerequisite, Greek 71.

Selections from Thucydides will be read and the history of Athens and Sparta will be reviewed with a view to explaining the underlying causes of the Peloponnesian War. *Five hours a week, winter quarter, on application.* Professor Harland.

Courses Primarily for Graduates

201-202-203. SYNTAX OF THE GREEK LANGUAGE FROM HOMER TO THE NEW TESTAMENT. (15).

Facility in reading the literature in the Greek dialects, Ionic, Attic, Alexandrian, and German is requisite. *Five hours a week, three quarters, on application.* Professor Bernard.

301-302-303. GREEK SEMINAR. (15).

This course is devoted to the study in detail of particular authors or periods in Greek literature, the subject matter varying from year to year. It calls for wide reading in the Greek authors selected and in the critical literature concerning them, with oral and written reports. Lectures and conferences. Professors Bernard, Harland, Sanders.

(For additional courses see under Courses Requiring no Knowledge of the Greek or the Latin Languages, pages 96-97, and under General and Comparative Literature. Attention is called also to courses in Comparative Philology offered by the Department of German.)

LATIN

Courses for Undergraduates

1-2-3. ELEMENTARY AND INTERMEDIATE LATIN. (9).

A course running through three quarters, designed for beginners and for those whose preparation is not sufficient to qualify them for Intermediate Latin (11-12-13). *Six hours a week, through the year.* Professor Sanders (Chairman).

11-12-13. INTERMEDIATE LATIN. (9).

A course running through three quarters, designed for those who show evidence of adequate preparation. Sophomore elective. *Three hours a week, through the year.* Professor Howe (Chairman).

14-15-16. SPECIAL COURSE IN ELEMENTARY LATIN. (9).

A course for beginners open only to those who desire an introduction to a second foreign language and who give evidence of being especially well qualified for such study. Sophomore elective. *Three hours a week, through the year.* Professor Howe.

21-22-23. ADVANCED LATIN. (9). Prerequisite, Latin 1-2-3 or 11-12-13 or the equivalent.

Survey of Latin Literature with selected readings from representative authors. Sophomore elective. *Three hours a week, through the year.* Professor Harrer (Chairman).

24-25. ROMAN LAW. (6). Prerequisite, Latin 21.

The course is a Sophomore option of A.B.-LL.B. students, and is open to other students who have satisfied the prerequisite.

The course deals with the general principles and the historical development of Roman law. The work consists of the translation of selected passages in the legal literature, readings, and lectures. *Three hours a week, winter and spring quarters.* Professor Harrer.

51. ROMAN SATIRE. (5). Prerequisite, Latin 21-22-23.

Readings from Horace, Petronius, Persius, Juvenal; occasional lectures. This course alternates with course 52. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Sanders.

52. CICERO'S LETTERS. (5). Prerequisite, Latin 21-22-23.

The reading of selected letters and discussions of the history and politics of the time. This course alternates with course 51. (1935 and alternate years.) *Five hours a week, fall quarter.* Professor Sanders.

71. COURSE FOR TEACHERS (5). Latin 21-22-23.

The course is concerned with pronunciation, forms, syntax, prosody, the art of translating, methods of instruction. *Five hours a week, fall quarter.* Professor Howe.

Courses for Graduates and Advanced Undergraduates

101. ROMAN HISTORICAL LITERATURE. (5). Prerequisite, Latin 21-22-23.

A study of the structure, purposes, and methods of the most significant works. Translation and reading in English from the literature, reports, lectures. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Harrer.

102. ROMAN DRAMATIC LITERATURE. (5). Prerequisite, Latin 21-22-23.

A study of the development of Latin comedy and tragedy. Reading of selected plays. The course alternates with course 101. (1935 and alternate years.) *Five hours a week, fall quarter.* Professor Harrer.

103. PROSE WRITINGS OF THE REPUBLIC. (5). Prerequisite, Latin 21-22-23.

An account of the development of prose literature from Cato to Cicero, with special studies of certain types and readings from the chief works. *Five hours a week, winter quarter.* Professor Sanders.

104. CICERO: POLITICAL CAREER AND WORKS. (5). Prerequisite, Latin 21-22-23.

A study of Cicero, as statesman and advocate. Selected letters, as well as a number of orations, will be read. *Five hours a week, spring quarter.* Professor Harrer.

Courses Primarily for Graduates

202. LATIN EPIGRAPHY. (5).

The aim of the course is to acquire facility in the deciphering and translating of inscriptions, and to study in detail a selection of significant inscriptions and their values in the field of Roman studies. *Five hours a week, fall quarter.* Professor Harrer.

203. LATIN PALEOGRAPHY. (5).

The aim of the course is a study of the more important scripts, practice in decipherment, and the methods of textual criticism. *Five hours a week, one quarter, on application.* Professor Harrer.

301, 302, 303. LATIN SEMINAR. (5 each).

The course in each quarter is devoted to the study in detail of a particular author or period in Roman literature, the choice of subject being determined, as far as possible, by the needs of the group. Typical subjects of recent years have been: Catullus, Cicero, Vergil, Horace, The Elegists, The Augustan Age, Suetonius, Tacitus, Post-Augustan Prose, Post-Augustan Poetry, etc. *Five hours a week, fall, winter, and spring quarters.* Professors Howe, Harrer.

310. THESIS COURSE. (5).

This course is conducted by conferences as arranged with individual students. *Every quarter.* Professors Howe, Harrer.

(For additional courses see below under Courses Requiring no Knowledge of the Greek or the Latin Language and Courses in General and Comparative Literature. Attention is called also to courses in Comparative Philology offered by the Department of German.)

Courses Requiring no Knowledge of the Greek or Latin Language

The following courses in classical literature and civilization are especially designed to supply the necessary foundation for those who, without a reading knowledge of the ancient languages, wish a broader culture, or plan to specialize in modern literature, history, art, etc. When properly approved, they will be allowed to count as part of the major requirement in other departments. They may be taken also to satisfy the requirement of a minor in literature. (See also under General and Comparative Literature.)

Courses for Undergraduates

61. GREEK LITERATURE. (5).

A study of the masterpieces of Greek literature in English translation, with special reference to the contribution of Greece to modern thought. *Five hours a week, fall quarter.* Professor Bernard.

62. LATIN LITERATURE. (5).

A study of the masterpieces of Latin literature in English translation, with special reference to the contribution of Roman civilization to modern thought. *Five hours a week, winter quarter.* Professor Howe.

75 (71). GREEK CIVILIZATION, (5).

The achievement of the ancient Greeks and their contributions to the modern world in art, architecture, medicine, science, politics, and other fields will be studied. For a background, their house, dress, education, games, theatre, religion, etc. will be considered. Illustrated lectures and discussions. *Five hours a week, on application.* Professor Harland.

76. ROMAN CIVILIZATION. (5).

The course deals with the public institutions, the political and social conditions, and the private life of the Romans, their buildings, living conditions, amusements, manners and customs, and religion. *Five hours a week, spring quarter.* Professor Harrer.

91, 92. GENERAL ARCHÆOLOGY. (5 each).

An introductory course in which the art and architecture of Egypt, Mesopotamia, Greece, and Rome will be studied. Illustrated lectures on the monuments will be supplemented by lectures on the history and civilization of the various peoples. Discussions and required reading. *Five hours a week, fall and winter quarters.* Professor Harland.

93. GREEK ARCHÆOLOGY. (5).

This course will deal with the architecture, sculpture, painting, and vases of Greece. The historical development of the art of Greece will be studied, and Greek art will be presented as one phase of the civilization of the ancient Hellenes. *Five hours a week, spring quarter.* Professor Harland.

Courses for Graduates and Advanced Undergraduates

111. THE LATIN EPIC. (5).

The history of the Latin Epic; detailed study of the *Æneid*. *Five hours a week, spring quarter.* Professor Howe.

112. THE POETRY OF OVID. (5).

The reading in English of the complete works of Ovid; special critical studies in the *Metamorphoses*. The influence of Ovid on later writers. *Five hours a week, fall quarter.* Professor Howe.

113. THE GREEK EPIC. (5).

Epic as a literary form; the *Iliad* and *Odyssey*; origins, the Mycenaean civilization, literary characteristics, comparison of the chief English translations, comparison with Norse, Latin, Italian, and English epic. *Five hours a week, winter quarter.* Professor Bernard.

155. GREEK DRAMATIC LITERATURE. (5).

A course designed to embrace the origin, development, technique, and content of Greek drama, with emphasis on tragedy. An interpretation of Greek life and thought as contributing to world progress. *Five hours a week, winter quarter.* Professor Bernard.

197. GREEK AND ROMAN ART. (5).

A course which aims to set forth the universal æsthetic principles as illustrated in the masterpieces of Greek and Roman art, with discussions of the æsthetic theories of the classical writers. *Five hours a week, one quarter, on application.* Professor Bernard.

DEPARTMENT OF ECONOMICS AND COMMERCE

Professors CARROLL, *MURCHISON, PEACOCK, ZIMMERMANN, HOBBS, WOOSLEY, SPRUILL, SCHWENNING, HEER, **WOLF; Associate Professors TAYLOR, LEAR, HEATH, FERGER, EVANS, SHERRILL; Visiting Associate Professor BERNSTEIN; Instructors WINSLOW, ARNOLD, DOUTY, ANDERSON; Teaching Fellows McFERRIN, WILDER; Assistants BARFIELD, DONOVAN, FAIRLEY, KIRKPATRICK, LYNCH, WILLIAMS.

ECONOMICS

Courses for Undergraduates

9. THE PHYSICAL BASIS OF MODERN ECONOMIC SOCIETY. (5).

A study of the relationships between modern economic society and physical environment. Three major topics are studied: a. Man's physical environment—topography, location, climate, soils, minerals, and vegetable and animal life. b. Physical factors influencing the existence and location of principal manufacturing industries and agricultural crops. c. An economic appraisal of the natural resources of leading industrial and agricultural nations of the world—United States, British Empire, Germany, France, U. S. S. R., Japan, Argentina, China. *Four lecture and two laboratory hours a week, every quarter. Laboratory fee, \$3.50.* Messrs. Arnold, Fairley, Kirkpatrick.

11. RESOURCES AND INDUSTRIES. (5). Prerequisite (in case of Commerce students), Economics 9.

This course occupies a middle ground between geography and economics. Important data of human economic geography are appraised as to their meaning to the economist. The emphasis in resource analysis, therefore, is on the supply and demand conditions which have a measurable effect on price behavior. The close relationship between geographical facts and institutional developments is taken into consideration. The approach is functional rather than descriptive. Attention is focused on wide vistas and deep perspectives rather than on details of technology. In general, an effort is made to place the discussion on a broad basis of human values and world relationships. *Five hours a week, every quarter. Material fee, \$1.00.* Professor Zimmermann; Mr. Donovan.

31-32-33. GENERAL ECONOMICS. (9). (Not open to Freshmen.)

This course is planned to give a general understanding of the organization of our economic life and the fundamental principles underlying it. An analysis is made of production, distribution, and consumption, of the elements which determine value and price, with a brief introduction to money, banking and credit, monopoly, business combinations, transportation, labor problems, and

* Absent on leave as Director of the Bureau of Foreign and Domestic Commerce.

** Absent on leave, fall quarter, 1934.

economic reform. Sophomore elective. *Three hours a week, each part every quarter.* Professors Carroll, Woosley, Spruill, Lear, Wolf, Ferger, Heath, Evans; Messrs. Winslow, Anderson, Douty, Wilder.

35. ECONOMIC HISTORY. (5). Not open to Freshmen.

A survey of the steps by which economic activities have evolved from primitive beginnings into the complicated capitalistic economy of today. Special emphasis on the development of the wage system, the Industrial Revolution, the expansion of markets, the ebb and flow of industrial activities, the relation of industrial development to political policy, as they have manifested themselves in England and in the United States. *Five hours a week, every quarter.* Professor Spruill.

81-82. PRINCIPLES OF MONEY AND BANKING. (10). Prerequisite, Economics 31-32.

A general study of the principles, functions, and forms of money and credit, followed by analyses of current money and credit problems. The second half of the course is devoted to a study of the theory of commercial banking with particular respect to its application and development in the United States. *Five hours a week, fall, winter, and spring quarters.* Professor Woosley; Mr. Winslow.

Courses for Graduates and Advanced Undergraduates

111. ADVANCED COMMODITY ECONOMICS. (5). Prerequisite, Economics 11, 31-32-33.

In this course the demand and supply conditions of a few commodities selected to represent types are studied. The institutional factors affecting these conditions are critically examined with particular reference to price behavior. (Alternates with Commerce 145 and will be given in 1937.) *Five hours a week, spring quarter.* Professor Zimmermann.

121. RISK AND RISK-BEARING (5). Prerequisite, Economics 31-32-33.

A study of the risk element in modern industry together with the measures which have been devised to meet it. This course should precede the study of insurance. *Five hours a week, fall quarter.* Professor Lear.

124. PRINCIPLES OF MARKETING. (5). Prerequisite, Economics 31-32-33.

A critical study of marketing organization and operation. Among the topics discussed are: methods of approach to the study of marketing; the marketing of farm products; the marketing functions; trade channels; direct marketing; the services performed by brokers, sales agents, auctions, wholesalers, and different types of retailers; commodity exchanges and future trading; price policies; price maintenance; brand policies; market research; problems relating to marketing costs; and scientific marketing management. Emphasis is placed on recent developments in retailing such as the growth in economic importance of centrally owned chain store organizations and coöperative chains. In the study of the marketing of farm products special attention is given to coöperative marketing and the work of the Federal Farm Board and the Farm Credit Administration is examined critically. Study is made likewise of other governmental bureaus which influence marketing, such as the Agricultural Adjustment Administration. *Five hours a week, fall quarter.* Professor Taylor.

131. ECONOMIC THEORY. (5). Prerequisite, Economics 31-32-33.

The primary purpose of this course is the development of greater facility upon the part of the student in the use of economic theory as a tool in the solution of economic and business problems. Supplementary thereto, the assumptions and limitations of economic theory are analyzed. Specific problems are employed to test the utility of theory as a framework of thought

for their solution. Required of all seniors in the School of Commerce and in all majors in Economics. *Five hours a week, every quarter.* Professor Spruill.

141. PUBLIC FINANCE. (5). Prerequisite, Economics 31-32-33.

A general study of government business covering the principles involved in public revenues and expenditures—local, state, and national; a treatment of the just distribution of public charges and their incidence; and a study of the growth and organization of modern tax systems. *Five hours a week, fall quarter.* Professor Heer.

142. FINANCIAL ORGANIZATION AND ADMINISTRATION. (5). Prerequisite, Economics 141.

The first part of the course deals with contemporary types of state and local financial organization. The relative advantages of centralized as contrasted with decentralized types are discussed. The second part of the course deals with financial methods and procedure. The topics covered include budgets and budget making, budgeting and auditing control, treasury management, debt administration, assessment procedure, purchasing, and state administrative control over local finances. *Five hours a week, winter quarter.* Professor Heer.

143. PROBLEMS IN PUBLIC FINANCE. (5). Prerequisite, Economics 141.

An advanced critical study of certain present problems in government finance. *Five hours a week, spring quarter.* Professor Heer.

144. THEORIES AND FORMS OF BUSINESS ENTERPRISE. (5). Prerequisite, Economics 31-32-33.

This course deals primarily with the combination movement. But it will treat this problem in its widest aspects: the historical background and the evolution of modern business forms, the theory of business enterprise, the structure and functions of organization, the relation of these questions to social welfare. Pools, trade associations, mergers, trusts, bankers' control, price control, are some of the principal questions which will be considered. *Five hours a week, winter quarter.* Professor Heath.

151. TRANSPORTATION. (5). Prerequisite, Economics 31-32-33.

A general study, from the historical and critical points of view, of railway transportation in such representative countries as Great Britain, France, Italy, Germany, and the United States; with some consideration of passenger and freight traffic and rates, and the State's relation to railways. *Five hours a week, fall quarter.* Professor Heath.

153. PUBLIC UTILITIES. (5). Prerequisite, Economics 31-32-33.

The first part of the course is historical and descriptive, covering the physical and technical development, and the corporate and financial set-up of public service corporations other than railroads, including electric light and power companies, telegraph companies, street railways, motor vehicle carriers, and similar utilities. The second part of the course deals with methods of protecting the public interest in utility services. Among the topics considered are: the legal bases of utility regulation, state and federal regulatory agencies, valuation and rate of return, principles of rate making, capitalization and security regulation, the problem of the holding company, and public ownership. *Five hours a week, spring quarter.* Professor Heer.

161. THEORY OF INTERNATIONAL TRADE. (5). Prerequisite, Economics 31-32-33.

In this course international trade is viewed from the standpoint of the political economist, emphasizing the social aspects. After an historical study of the past and a critical analysis of the present foreign commerce of the United States and principal competitors, an effort is made to apply to a survey of our foreign markets and of our foreign sources of supply the general

principles of economic theory in so far as they pertain to international trade. Following this the payment balances of this country and of other leading countries engaged in world commerce are critically studied. Finally, the most important theories of international trade are reviewed in the light of historical development. *Five hours a week, fall quarter.* Professor Zimmermann.

165. COMMERCIAL POLICY OF MODERN NATIONS. (5). Prerequisite, Economics 161.

After a general survey of international commercial policy up to the close of the Napoleonic Wars, a more detailed comparative study of the commercial policy of the leading nations during the last hundred years is made. The following countries are included: United States, Great Britain, France, Germany, Russia, Italy, Canada, Argentina, and India. Special attention is given to tariff problems, colonial policies, and to imperialism. The present world resources situation and its probable effect on future commercial policy is appraised. (Alternates with Commerce 169; will be given in 1936.) *Five hours a week, winter quarter.* Professor Zimmermann.

170. ECONOMIC STATISTICS. (5). Prerequisite, Mathematics 1-2, Economics 31-32-33.

This course is designed to give a critical understanding of the more important processes of statistical technique used by economists and business men, and found in current discussions of economic matters. Among the topics included are graphic presentation, averages, index numbers, the cyclical analysis of time series, and simple correlation. The emphasis in the study is put on the meaning, significance, and limitations of statistical methods in economics, rather than techniques of computation and mathematical proofs of the methods. The laboratory work is designed to give practice in the use of the processes studied, together with an interpretation of the results found. *Three lecture and four laboratory hours a week, every quarter.* Laboratory fee, \$2.00. Professor Ferger.

171. ADVANCED ECONOMIC STATISTICS. (5). Prerequisite, Economics 170 or its equivalent.

This course is designed to give the student the ability to use some of the more exact and more technical tools of statistical method than can be considered in the elementary course, such as curvilinear trends for time series, changing seasonal variation, and multiple correlation. Acquaintance with practical work and the current literature in statistics is sought through required reading and class reports on recent statistical studies. *Three lecture and four laboratory hours a week, spring quarter.* Laboratory fee, \$1.00. Professor Ferger.

185. BUSINESS CYCLES. (5). Prerequisite, Economics 31-32-33 and 81.

A study of the alternating periods of depression and prosperity. The underlying causes of panics and crises. Fluctuations in prices, trade volume, and physical production. *Five hours a week, winter or spring quarter.* Visiting Professor Bernstein.

191. AN INTRODUCTION TO THE LABOR PROBLEM. (5). Prerequisite, Economics 31-32-33.

To the extent that the competitive wage system fails (a) to provide for the laborer an adequate basis for a decent living and (b) to draw from him the services he ought to render to industry, there appears to be a "labor problem." The purpose of this course is to make an analytic survey of the modern labor problem in its major aspects, such as unemployment, low wages, industrial accidents and diseases, overstrain and superannuation, and the status of the worker in industrial society. Trade unionism and the labor movement and intervention by the State in behalf of the worker, and social methods of coping with the problems of labor are also surveyed. *Five hours a week, fall or winter quarter.* Professor Wolf.

192. LABOR AND SOCIAL CONTROL. (5). Prerequisite, Economics 191.

An advanced course in social methods of coping with labor problems. These fall roughly into three classes: (a) self-help on the part of the workers, which embraces trade unionism, labor political activity, and consumers' co-operation; (b) employers' policies, such as welfare work and paternalism, profit-sharing, and company unionism; and (c) intervention by public authority, as through labor legislation, conciliation and arbitration, and judicial limitation of private property rights. In so far as possible the various topics will be studied in terms of the Southern labor situation. *Five hours a week, spring quarter.* Professor Wolf.

195. THEORIES OF ECONOMIC REFORM. (5). Prerequisite, Economics 31-32-33.

A critical analysis of the leading proposals for reform in the present economic system, including Socialism, Bolshevism, Single Tax, and Social Insurance. *Five hours a week, fall or spring quarter.* Professor Carroll.

197. GOVERNMENT AND BUSINESS. (5). Prerequisite, Economics 31-32-33.

This course deals with the control exercised by government over business operations. Emphasis is placed on legal control. Attention in some detail is given to trade regulations, public utilities and the operation of the federal anti-trust laws. The course includes a study of the control of business by the states under their police powers and by the federal government under the interstate commerce and taxing provisions of the federal constitution. Governmental participation in business is treated to a limited extent as is the attitude of government toward labor. The emergency legislation of 1933 and the extensive governmental activities thereunder are studied. *Five hours a week, spring quarter.* Professor Hobbs.

Courses for Graduates

251-252-253. ADVANCED ECONOMIC THEORY. (15). Prerequisite, Economics 31-32-33.

A survey of economic theory from the standpoint of the evolution of modern industrial society. The three courses will not only include a review of the works of the leading economic writers, but will also summarize the principal physical, psychic, and social factors that have shaped economic theory and economic institutions. *Five hours a week, fall, winter, and spring quarters.* Professor Heath.

361abc. SEMINAR IN ECONOMICS. (with thesis 5). Prerequisites, Economics 31-32-33 and 81-82.

A general introduction to methods of advanced study. Some phase of economic activity in harmony with the interests of the members of the seminar is selected for consideration. Methods of work and content receive equal emphasis. *Two hours a week, fall, winter, and spring quarters.* Professor Heath (Chairman).

324. SEMINAR IN MARKETING. (5 each quarter).

This course is available for graduate students who wish to make an intensive study of special topics in marketing or to do original research work. Individual conferences are arranged with the instructor. *Fall, winter, or spring quarter.* Professor Taylor.

341. RESEARCH COURSE IN PUBLIC FINANCE. (5 each quarter).

The changing form and distribution of wealth and income together with the expanding conceptions of governmental services make imperative a constant reexamination of fiscal problems. The scope of operations and the magnitude of revenues and expenditures emphasize the importance of administra-

tive efficiency. Critical studies in this field are carried on under the supervision of the professor in charge. *Equivalent of five hours a week, fall, winter, and spring quarters.* Professor Heer.

NOTE. Registration for this course must be approved by the professor in charge.

351. ECONOMIC HISTORY AND THEORY. (5 each quarter).

This course is a seminar dealing with the relations between economic history and economic theory. Theories of economic history are analyzed with the purpose of appraising their utility in the realm of general theoretical analysis. Currently used thought tools, or so-called theories, are tested as to their usefulness in the light of historical trends. So far as the materials to be studied are concerned, about equal emphasis will be placed upon historical data and contemporary thought. *Equivalent of five hours a week, fall, winter, and spring quarters.* Professor Heath.

361. INTERNATIONAL ECONOMIC RELATIONS. (5 each quarter).

An increasing share of the economic life of mankind is being lifted out of the sphere of local and national activities, and is being subjected to world-wide influences. This tendency affects not only those business interests of ours directly engaged in foreign trade, but in general reacts upon our political position as a world-power, and materially influences our domestic and economic life.

The aim of this course is to provide graduate students interested in world economics the opportunity of pursuing advanced research along such lines as these: the movement of world prices; international commodity price control; the world food problem; the population question; advancing industrialization and future supply of raw materials; problems of international law affecting economic activities; foreign investments; commercial treaties; colonial policy, etc. *Equivalent of five hours a week, fall, winter, and spring quarters.* Professor Zimmermann.

NOTE. Registration for this course must be approved by the professor in charge.

371. RESEARCH IN ECONOMIC STATISTICS. (5 each quarter).

This course is designed to allow individual study and research by qualified graduate students in specialized fields of economic statistics, such as business cycle statistical analysis, economic forecasting, price index number problems, regional business indices, commodity demand studies, or the statistical work of business establishments. *Equivalent of five hours a week, fall, winter, and spring quarters.* Professor Ferger.

NOTE. Registration for this course must be approved by the professor in charge.

382. SEMINAR IN PRIVATE FINANCE. (5 each quarter).

The scope of this course will depend on the interests and preparation of the student, but an opportunity will be given for a more advanced study of commercial banking, central banking policies, and the forces operating in the money and capital markets. *Equivalent of five hours a week, fall, winter, and spring quarters.* Professor Woosley.

NOTE. Registration for this course must be approved by the professor in charge.

385. ECONOMIC DYNAMICS. (5 each quarter).

This course focuses upon the changing nature of the modern economic organization. An effort is made to identify the more important of the dynamic elements, and to evaluate the significance of each in the general process of change. Attention is given to the readjustment processes and problems of particular industries, as well as to general trade, finance, and social well-

being. Topics covered would include consumption behavior, income distribution, capital accumulation, money and credit conditions, new developments in marketing, production, transportation. The method of study will be inductive. *Equivalent of five hours a week, fall, winter, and spring quarters.* Visiting Professor Bernstein.

NOTE. Registration for this course must be approved by the professor in charge.

391. HUMAN RELATIONS IN INDUSTRY. (5 each quarter).

This course is a seminar in selected topics in labor economics and aims to provide a limited number of graduate students an opportunity of doing critical and constructive work in this field. In view of the fact that there are grave problems connected with the adjustment of the workers to the new industrial and social order that is being developed in the South Atlantic States, a part of the time is usually devoted to this topic. *Equivalent of five hours a week, fall, winter, or spring quarter.* Professor Wolf.

NOTE. Registration for this course must be approved by the professor in charge.

399. SEMINAR. (5).

Individual research in a special field under direction of a member of the department.

COMMERCE

***(Courses in Commerce count for credit toward the degree
S.B. in Commerce only.)**

Courses for Undergraduates

51. BUSINESS ORGANIZATION. (5). Prerequisite, Economics 31-32-33.

The forms of business organization with emphasis on the corporation. The external relations of a business organization and the internal coordination of the factors in production with a view to the establishment of effective control and definite responsibility for results. Special attention will be directed to the various functions to be performed, such as production, finance, personnel, marketing, risk-taking, and records and standards. *Five hours a week, fall or spring quarter.* Professor Schwenning.

51E-52E-53E. BUSINESS ADMINISTRATION FOR STUDENTS IN ENGINEERING. (9). Open to students in the School of Engineering only. Prerequisite, Economics 31-32-33.

The elements of business organization with emphasis on the corporation, its nature, its promotion, its financing, and its operation. Internal organization with special reference to methods of control, managerial accounting, cost analysis, financing of current operations, valuation and methods of appraisal, depreciation, sinking funds, and the interpretation of financial statements. The economics of locating and managing industrial plants, the handling of the labor factor through specialized personnel administration, and the relations existing between consumers and producers. *Three hours a week, fall, winter, and spring quarters.* Professor Schwenning.

61. SALES MANAGEMENT. (5). Prerequisite or corequisite, Economics 31-32-33.

This course presents important problems of sales planning and administration from the point of view of the executive in charge of marketing. Among the general topics considered are: the relation of the sales department to other

* Commerce 51E-52E-53E are offered for students in the School of Engineering only and are open to no others.

Commerce 71P is offered for students in the School of Pharmacy only and is open to no others.

departments of the business; types of sales organizations; the selection, training, compensation, and management of the sales force; distribution policies including the choice of channels and agencies; sales research and market analysis; the determination of price and brand policies; the statistical control of sales operations; and the costs of distribution. Methods of preparing sales budgets are emphasized and budgets used by representative companies are examined. The distributive organization of several companies is studied critically. In the latter part of the course the problem method of instruction is used. *Five hours a week, winter quarter. Laboratory fee, \$1.00.* Professor Taylor.

71. ACCOUNTING: PRINCIPLES. (6). Prerequisite or corequisite, Economics 31-32-33, Commerce 51.

Lectures with laboratory work. Study of the theory of debit and credit, record making, organization of accounts, and presentation of financial and profit and loss statements. Laboratory exercises in accounting problems and technique. *Four lecture and four laboratory hours a week, every quarter. Laboratory fee, \$3.00.* Professors Peacock, Sherrill; Mr. Holmes.

71P. ACCOUNTING PRINCIPLES FOR STUDENTS IN THE SCHOOL OF PHARMACY. (6). Open to students in the School of Pharmacy only. Prerequisite, Economics 31-32-33.

A study of the fundamentals of double entry bookkeeping, covering the theory of debit and credit, closing the books, and construction of financial statements. Emphasis will be on systems suitable for drug stores. *Four lecture and four laboratory hours a week, spring quarter. Laboratory fee, \$3.00.* Professor Sherrill; Mr. Lynch.

72. ACCOUNTING PRINCIPLES. (6). Prerequisite, Commerce 71.

Lectures with laboratory work. An approach to accounting problems from the business manager's point of view. It consists of a thorough study of the organization of the accounting department of a business and its relation to the other departments, accounting systems, construction and analysis of accounting statements. The principles of valuation of assets, depreciation, and bonds are also covered. *Four lecture and four laboratory hours a week, every quarter. Laboratory fee, \$3.00.* Professors Peacock, Sherrill; Mr. Barfield.

91-92. BUSINESS LAW. (10). Prerequisite, Economics 31-32-33.

The aim of the course is to give the student an understanding of the main principles of law which govern in the daily conduct of business. The topics discussed are: contracts, agencies, negotiable instruments, sales, bailments, corporations, partnerships, and bankruptcy. *Five hours a week, fall and winter quarters.* Professor Hobbs.

Courses for Graduates and Advanced Undergraduates

121. INSURANCE: LIFE. (5). Prerequisite, Economics 31-32-33.

A study of the principles and technique of life insurance, including disability, accident, and group insurance. Some attention will also be given to the investment operations of insurance companies. *Five hours a week, winter quarter.* Professor Lear.

122. INSURANCE: FIRE, MARINE, BOND, AND TITLE. (5). Prerequisite, Economics 31-32-33.

In this course, an effort is made to consider as far as possible the wide range which the insurance function covers and the probable trend of its future development. The topics noted in the title of the course are studied and as many others as time will permit. *Five hours a week, spring quarter.* Professor Lear.

141. TRAFFIC PROBLEMS. (3). Prerequisite, Economics 151.

A study of current technical problems in the field of transportation and traffic management. (This course will be given only in case as many as five students register for it.) *Three hours a week, winter quarter.* Professor Heath.

145. OCEAN SHIPPING. (5). Prerequisite, Economics 31-32-33.

A study of the elements of water transportation, trade routes, ports and terminal facilities, vessel types, ship operation and management, ocean freight service and rates, marine insurance. The problem of our merchant marine and national policies affecting it are also discussed. (Alternates with Economics 111 and will be given in 1936.) *Five hours a week, spring quarter.* Professor Zimmermann.

151. PRINCIPLES OF INDUSTRIAL MANAGEMENT. (5). Prerequisite, Economics 31-32-33, Commerce 51.

This course covers the problems involved in the construction, equipment, and administration of a manufacturing enterprise. The unit of study is the factory. The subject matter is treated under four heads: the underlying principles of production, the agencies of production, the control of production operations, and the establishment of production standards. *Five hours a week, winter quarter.* Professor Schwenning.

154. INDUSTRIAL MANAGEMENT: THEORIES AND PRACTICES. (3). Prerequisite, Economics 31-32-33, Commerce 51. Open only to selected seniors and graduate students.

A critical examination of the economic, social, and ethical aspects of modern business administration. Current theories of organization and management will be taken up and subjected to careful scientific analysis. Practices will be compared with theories. An attempt will be made to formulate the underlying principles upon which the administration of modern industrial enterprise rests. (Alternates with Commerce 157.) *Three hours a week, winter quarter.* Professor Schwenning.

155. PERSONNEL MANAGEMENT. (5). Prerequisite, Economics 31-32-33, Commerce 51.

A scientific study of the methods of hiring and handling personnel in the various lines of industry. The supply, selection, training, promotion, transfer, and discharge of employees; the computation and significance of labor turnover; housing, educational and recreational facilities; the functions of a personnel department with reference to efficiency, and the maintenance of good will between employees and employers. *Five hours a week, spring quarter.* Professor Schwenning.

157. TIME AND MOTION STUDY. (3). Prerequisite, Economics 31-32-33, Commerce 51-151, or Commerce 51-52-53E. Open only to seniors and graduate students.

A presentation of the elements of time and motion study as a phase of scientific management and as a device used by modern industrial establishments to measure the productive capacity of workers on specific jobs and to set production standards. The course will include a discussion of the following: fundamentals and development of time and motion study; equipment and qualifications of a time study man; collection and tabulation of data; organization of the time study department, etc. Students will be given practice in making times studies and in applying the results. (Alternates with Commerce 154). *Three hours a week, winter quarter.* Professor Schwenning.

161. ADVERTISING. (5). Prerequisite, Economics 31-32-33.

A study of the economics of advertising, the place and function of advertising in business, and the psychological principles applicable to the preparation of advertisements. The chief problems of advertising are discussed from the viewpoint of the executive in charge of marketing who must continually

give consideration to what can reasonably be expected from advertising as part of a complete distribution program. Emphasis throughout the course is placed on the ethical aspects of advertising and on the use of research methods in the effective planning and preparation of advertising campaigns. Several outstanding campaigns are studied in detail. Considerable practice is given students in the planning and preparation of advertisements. *Five hours a week, fall or spring quarter. Laboratory fee, \$1.00. Professor Taylor.*

163. ADVANCED COURSE IN MARKETING. (5). Prerequisite, Economics 124 or Commerce 61 or 161.

This course is for students who wish to do advanced work in the field of marketing. The particular problems considered vary from year to year depending on the interests of the class. The seminar method is used.

Five hours a week, spring quarter. Professor Taylor.

165. RETAIL DISTRIBUTION. (5). Prerequisite, Economics 31-32-33.

A critical study is made of the general policies and practices of retail institutions such as unit stores, department stores, specialty stores, chain stores, voluntary chains, and mail order houses; and an attempt is made to develop the principles of retail distribution. Among the general topics considered are: elements of retail profit, types of retail institutions and types of merchandise, store location, store layout and merchandise classification, sales and service policies, merchandising, pricing policies, brand policies, relations with merchandise sources, and organization. Problems and cases form an important part of this course. *Five hours a week, winter quarter. Professor Taylor.*

169. FOREIGN TRADE PRACTICE. (5). Prerequisite, or corequisite, Economics 124.

This course treats of foreign trade as a business profession and serves to prepare for entrance into the field; emphasis throughout is on practical problems.

Part I. The organization of Foreign Trade: export departments; middlemen and their functions; coöperation.

Part II. Methods: direct versus indirect exporting; export campaigns; sales policies.

Part III. Foreign Market Analysis.

Part IV. Paper work and technical procedure in exporting and importing, including foreign trade financing. (Alternates with Economics 165, will be given 1936.) *Five hours a week, winter quarter. Professor Zimmermann.*

171. ADVANCED ACCOUNTING. (5). Prerequisite, Commerce 71-72.

Lectures with laboratory work. Study of accounting problems and forms for special types of business concerns. Accounting for the organization and liquidation of co-partnerships and corporations, for combinations and consolidations, for trustees and receiverships, branch houses, municipalities, and foreign exchange. *Five hours a week, spring quarter. Laboratory fee, \$3.00. Professor Peacock.*

172. ACCOUNTING PRACTICE. (6). Prerequisite, Commerce 71 and prerequisite or corequisite, Commerce 72.

A laboratory course. Bookkeeping systems and records for the various industries prevalent in North Carolina are studied and practice sets for each are prepared. A tentative list will include tobacco manufacturing, furniture manufacturing, cotton goods manufacturing, automobile sale agencies and garages, banks in small cities, and municipalities. *Six hours a week, spring quarter. Laboratory fee, \$3.00. Professor Peacock.*

173. COST ACCOUNTING. (5). Prerequisite, Commerce 71-72.

Lectures with laboratory work. Methods for collection of data relative to prime costs and a careful analysis of various methods of burden distribution. Application of principles will be made in the laboratory by means of budgets for cost accounting in different classes of enterprise. *Five hours a week, fall quarter. Laboratory fee, \$3.00.* Professor Peacock.

175. AUDITING. (5). Prerequisite, Commerce 71-72.

Lectures and problems. Kinds of audits, systems of accounts, methods of conducting audits, and problems in auditing. *Five hours a week, winter quarter. Laboratory fee, \$3.00.* Professor Peacock.

177. INCOME TAX PROCEDURE. (5). Prerequisite, Commerce 71-72.

This course consists of a thorough study of both the Federal and State income tax laws and the problems that arise in the making of the various returns. The preparation of the tax returns and claims for refund will be undertaken as laboratory exercises. *Five hours a week, winter quarter. Laboratory fee, \$2.00.* Professor Sherrill.

178. C. P. A. PROBLEMS. (3). Prerequisite, Commerce 71-72.

This course deals with the questions and problems given by the different states and the American Institute in their C. P. A. examinations. Typical problems are solved, and solutions prepared by leading accountants of the country are studied. (This course will be given only in case as many as five students register for it.) *Three hours a week, spring quarter.* Professor Peacock.

179. GOVERNMENTAL ACCOUNTING. (5). Prerequisite, Commerce 71-72.

Lectures and laboratory work. A study of Budgeting Accounting and its application to the various governmental units; the differences between Fund Accounting and Commercial Accounting; methods of collecting data recorded in books of original entry; and the preparation of Financial Statements. A survey will be made of systems for educational institutions, and for state, county, and city governments. Laboratory work will consist of practical problems. Field trips will be taken in order to study the system used by the State of North Carolina, the system prepared by the County Government Advisory Commission for counties, and other available systems. *Five hours a week, spring quarter. Laboratory fee, \$2.50.* Professor Sherrill.

181. ADVANCED BANKING AND FOREIGN EXCHANGE. (5). Prerequisite, Economics 81-82.

A study of the operation and administration of the commercial banking system. Comparisons with the banking systems of other countries will be made. Federal Reserve policies, and the theories underlying them, will be examined. Attention will also be directed to international banking operations and the forces determining the rates of foreign exchange. *Five hours a week, spring quarter.* Professor Woosley.

191. CORPORATION FINANCE. (5). Prerequisite, Economics 31-32-33, Commerce 51 and 71.

A study of the principles and practice of corporate financing. Among the topics considered are: the methods of raising permanent capital, problems of current financing, the treatment of earnings, and financial problems incident to expansion and reorganization. Specific problems and reports are employed to illustrate and emphasize the principles involved. *Five hours a week, fall or winter quarter.* Professor Woosley.

195. INVESTMENTS. (5). Prerequisite, Economics 31-32-33, Commerce 71-72, 191.

This course is essentially a laboratory study of corporate securities from the standpoint of the investor. Primary emphasis is placed upon the development of technique and standards of investment analysis. *Five hours a week, spring quarter.* Professor Woosley.

Courses Primarily for Graduates

301abc. SEMINAR IN COMMERCE. (With thesis 5).

A general introduction to methods of advanced study. Some phase of business activity in harmony with the interests of the members of the seminar is selected for consideration. Methods of work and content receive about equal emphasis. *Fall, winter, and spring quarters.* Professor _____ (Chairman).

399. SEMINAR. (5 each quarter).

Individual research in a special field under direction of a member of the department.

DEPARTMENT OF EDUCATION

Professors *NOBLE, WALKER, †KNIGHT, †TRABUE, JORDAN; Associate Professors PRESTON, FARRAR, MUNCH, GIDUZ; Assistant Professors †GWYNN, KING; Teaching Fellow SMITH; *In Extension:* Professors MCKEE, HOWARD; Associate Professor MORRISON; Assistant Professor BEARD.

Students who wish to qualify for high school teachers' certificates in the academic branches may satisfy the professional requirements for such certificates (a) by taking the required Education courses as electives or (b) as a minor in the regular College of Liberal Arts program, or (c) by selecting Education as a major in which case the student's entire program for the junior and senior years will be directed by the major department.

Courses for Undergraduates

31. AN INTRODUCTION TO EDUCATIONAL PSYCHOLOGY. (5). Required of all prospective high school teachers who do not elect Psychology 21-22-23.

Education is viewed in this course as a series of changes in individual pupils. The elementary principles of educational psychology will be illustrated and studied briefly through assigned readings, experiments, and discussions. *Five hours a week, fall or winter quarter.* Professor Jordan.

71. EDUCATIONAL PSYCHOLOGY. (5). Prerequisite, Education 31 or Psychology 21-22-23. Required of all prospective high school teachers.

To consider critically such topics as the original nature of man, heredity versus environment, kinds of learning and factors influencing learning, individual differences, mental hygiene, mental measurements is the purpose of this course. Lectures, textbooks, laboratory. *Four lecture and two laboratory hours a week, every quarter.* Professor Jordan.

82. DIRECTED TEACHING OF HIGH SCHOOL ENGLISH. (5). Prerequisites to be determined by the instructor.

The purpose of this course is to provide actual practice in teaching high school classes in English under supervision. It will include observation of teaching, study of the material taught, and preparation of lesson plans. *Five hours a week, every quarter.* Professor Farrar.

* Kenan Professor Emeritus.

† Absent on leave, 1934-1935.

84. DIRECTED TEACHING OF HIGH SCHOOL FRENCH. (5). Prerequisites to be determined by the instructor.

In this course the student carries out as far as possible the plan evolved in Education 183. From passive participation through a period of observation, the student gradually reaches the active stage of teaching. During the latter half of the term he has sole charge of the class, always of course, under the supervision of the instructor. Daily lesson plans; conferences for the discussion of each day's work. *Five hours a week, every quarter.* Professor Giduz.

86. DIRECTED TEACHING OF THE SOCIAL STUDIES. (5). Prerequisites to be determined by the instructor.

In this course the student will at first attend a high school class in history or community civics and observe the methods and technique of conducting the class. After he has observed and prepared the work of the class long enough to become familiar with its operation he will be required to work out a daily lesson plan for each class observed. When, in the judgment of the instructor, the student is sufficiently familiar with the correct methods of procedure, he will be permitted to conduct the class under the personal supervision of the instructor. After each class conducted by the student teacher his work will be discussed and criticised in conference with the supervisor. *Five hours a week, every quarter.* Professor King.

88. DIRECTED TEACHING OF HIGH SCHOOL LATIN. (5). Prerequisites to be determined by the instructor.

The teaching of Latin in the practice school will be observed closely by students for a time; later the work of the classes observed will be fully discussed. After such intensive observation work, the students will be required to work out individual daily lesson plans for the classes observed. When the instructor believes that the students have had sufficient time to learn the correct method of procedure, he will turn over a class to each one of them to handle independency under his supervision. Critical reports and discussions of the class work of each student teacher will follow. *Five hours a week, every quarter.* *Mrs. Lawson.

90. DIRECTED TEACHING OF HIGH SCHOOL MATHEMATICS. (5). Prerequisites to be determined by the instructor.

This course familiarizes the student with the actual classroom situation. It consists in the following steps: mastery of subject matter to be taught; preparation for teaching by observation, making lesson plans and conference with the instructor; actual teaching; and discussion with the instructor of techniques used and results obtained. Teaching by the student is the feature of the course. *Five hours a week, every quarter.* Professor Munch.

92. DIRECTED TEACHING OF HIGH SCHOOL SCIENCE. (5). Prerequisites to be determined by the instructor.

The object of this course is to give the student familiarity with the science classroom and laboratory in operation. Entering first as an observer he will gradually be allowed to take over more and more of the work as he is considered qualified to do so. Conferences with the instructor will be an important part of this course. *Five hours a week, every quarter.* Professor Preston.

98. GENERAL METHODS IN SECONDARY EDUCATION. (5). Required of all prospective high school teachers who do not offer Education 99. Prerequisite, Education 71.

The first half of this course deals with the aims of high school teaching and the outcomes of learning. In the second half an evaluation of the various techniques and methods of instruction commonly used in high schools is attempted. The course includes a limited amount of observation in the training school. *Five hours a week, winter quarter.* Professor Walker.

* Mrs. Lawson is substituting for Professor Gwynn.

99. PRINCIPLES OF SECONDARY EDUCATION. (5). Required of all prospective high school teachers who do not offer Education 98. Prerequisite, Education 71.

A study of the American high school, its evolution, organization, administration, functions, and problems. Special emphasis will be laid on the public high school in North Carolina. This course is designed especially to meet the needs of those students who are looking toward teaching positions and principalships in secondary schools. Textbooks, lectures, assigned readings, and reports. *Five hours a week, fall or spring quarter.* Professor Walker.

Courses for Graduates and Advanced Undergraduates

101. INTRODUCTORY COURSE IN SCHOOL ADMINISTRATION. (5).

This course will consider the most important problems of school administration, especially as these problems bear on the success of the teacher's work. Students without teaching experience, or teachers without a knowledge of administrative problems, should not register for the more specialized courses in the field of administration until after completing this course. Textbooks, observations, and discussions. *Five hours a week, fall quarter.* Professor Howard.

†105. GUIDANCE AND ADMINISTRATION OF PUBLIC SCHOOL PUPILS. (5). Prerequisite, four full courses in education, including one in administration, and two years of successful teaching experience.

This course undertakes not only to acquaint the student with the extensive literature of scientific research in pupil personnel work, but also to develop through actual handling of individual records, reports, and materials as many as possible of the important skills required of the principal in the classification and promotion of pupils, in program making, in organization of pupil activities, in student government, in athletics, etc. *Five hours a week, spring quarter.* Professor Trabue.

108. STATE SCHOOL ORGANIZATION. (5).

Five hours a week, spring quarter. Professor Howard.

†142. HISTORICAL FOUNDATIONS OF MODERN EDUCATION. (5).

This course traces the development of some of the more important educational problems of modern times as they have been affected by the social and political facts of history, by the contributions of the leading educational theorists, and by institutional practice. Textbooks, lectures, investigations, and reports. *Five hours a week, winter quarter.* Professor Knight.

†143. SOCIAL AND EDUCATIONAL HISTORY OF THE UNITED STATES. (History 170.) (5).

The social and educational institutions and practices of the United States are traced through: (a) the period of transplanting of European institutions; (b) the period of modifications of institutional life to meet new conditions; and (c) the period of development of a social and an educational system of free common schools, high schools, and higher and technical education in harmony with the political and social ideals and institutions of America. Textbook, lectures, investigations, and reports. *Five hours a week, fall quarter.* Professor Knight.

†145. COMPARATIVE EDUCATION. (5).

This is a course in comparative education with emphasis upon the modern educational experience of and the more significant educational movements in certain foreign countries. Attention will be given to education as a means of national advancement and to the development of retarded national cultures through education. *Five hours a week, spring quarter.* Professor Knight.

† Not given, 1934-1935.

160. CURRICULUM CONSTRUCTION. (5).

The construction and organization of the curricula of the elementary and secondary schools when based upon human needs. Includes consideration of the teacher's function in curriculum construction, objectives of the school subjects, sources of curricular material and criteria for evaluating it, selection and organization of the pupil-activities through which the objectives may be attained. *Five hours a week, winter quarter.* Professor Walker.

†163. EVALUATION OF CLASSROOM INSTRUCTION. (5).

The general and specific objectives of instruction are agreed upon in the early meetings of this course. Criteria are then developed for evaluating the materials, techniques, activities, and outcomes of instruction. The latter part of the course consists in applying the criteria to actual classroom lessons in an attempt to develop skill in observing, evaluating, and improving instruction. *Five hours a week, alternate spring and summer quarters.* Professor Trabue.

†164. TESTS AND MEASUREMENTS IN ELEMENTARY EDUCATION. (5). Prerequisite, Education 31 or Psychology 21-22-23.

Methods of measuring and improving the results of instruction in the elementary school will be given detailed consideration in this course. Students will be made acquainted with the most important tests and scales and will be given some experience in interpreting the results both statistically and practically. *Five hours a week, fall quarter.* Professor Jordan.

171. THE PSYCHOLOGY OF ELEMENTARY EDUCATION. (5).

Five hours a week, spring quarter. Professor Jordan.

†173. MENTAL MEASUREMENTS. (5). Prerequisite, Education 31 or Psychology 21-22-23.

A study of mental tests both individual and group. The origin of the tests will be first considered followed by a comparative study of the various types of group and individual tests. There will be ample opportunity offered for the actual administration of the tests and the interpretation of the results. *Five hours a week, spring quarter.* Professor Jordan.

181. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH. (5). Prerequisites to be determined by the instructor.

This course is designed to give practical preparation for the teaching of English in high schools. It includes consideration of the aims, courses of study, and methods found most effective in the teaching of grammar, composition (oral and written), and the different types of literature to pupils of high school age. Applicants should be thoroughly grounded in the fundamental principles of English grammar, should write and speak well, and should have more than average ability to appreciate literature. *Five hours a week, every quarter.* Professor Farrar.

183. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL FRENCH. (5). Prerequisites to be determined by the instructor.

In this course the student studies the development of modern language teaching. Particular stress is laid on present-day tendencies, more especially in connection with pronunciation, phonetics, reading, "realia," activities, texts, etc. Weekly reports in readings. Term paper. *Five hours a week, every quarter.* Professor Giduz.

185. MATERIALS AND METHODS OF TEACHING THE SOCIAL STUDIES. (5). Prerequisites to be determined by the instructor.

This course is required of all students who are preparing to teach high school history and other social studies. The aims, functions, and objectives of the social studies will be carefully analyzed and the history of their place in

† Not given, 1934-1935.

the American secondary school examined. Such problems as planning and organizing the course, textbooks, and library equipment, maps, pictures, and other visual aids will be considered. Following these will be a discussion of the various methods problems such as the recitation, teaching pupils how to study, the lecture, textbook, topical problem and source methods, written work, and testing results. Textbooks, lectures, discussions, special investigations, and reports. *Five hours a week, every quarter.* Professor King.

†187. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL LATIN. (5). Prerequisites to be determined by the instructor.

This course is designed primarily for students who plan to teach high school Latin, whether as a major or minor subject. The history of the teaching of Latin will be discussed along with modern tendencies of instruction in this field. A special study will be made of high school Latin texts, and reports and discussions will emphasize the various methods used in teaching them. Helpful bibliographies will be compiled and examined. *Five hours a week, winter or spring quarter.* Professor Gwynn.

189. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS. (5). Prerequisites to be determined by the instructor.

A course designed to give those preparing to teach mathematics in high school a comprehensive view of that field. It is composed of six units as follows: history of mathematics, objectives of mathematics teaching, materials, methods, the psychology of mathematics teaching, and measuring in the field of mathematics. Reading and reports on these units will be required. *Five hours a week, every quarter.* Professor Munch.

191. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE. (5). Prerequisites to be determined by the instructor.

Knowledge of science content is assumed. This course considers the objectives and curriculum position of secondary school science, the proper teaching viewpoint, instruction techniques, selection and use of equipment. As background, the development of secondary school science in response to changing economic, social, and educational conditions is briefly studied. Assigned readings introduce the important literature. *Five hours a week, every quarter.* Professor Preston.

194. MEASUREMENTS IN SECONDARY EDUCATION. (5). Prerequisite, Education 31 or Psychology 21-22-23.

Standard tests for measuring the results of secondary school instruction will be examined and discussed. Special attention will be given to the results and needs in North Carolina high schools. Students will be expected to become fairly familiar with the tests and scales and to develop some skill in interpreting results. *Five hours a week, spring quarter.* Professor Jordan.

197. SOCIAL POLICY AND EDUCATION. (5).

Fundamental problems in the social and ethical theory of education. Lectures, prescribed readings, essays, and reports. This course deals with problems of social progress from the standpoint of education, attempts to define a social policy for education, and discusses the vital educational issues involved in that policy. *Five hours a week, winter quarter.* Professor Walker.

Courses Primarily for Graduates

†201. PROCEDURES IN EDUCATIONAL RESEARCH. (5).
Five hours a week, fall quarter.

204. EDUCATIONAL FINANCE. (5).
Five hours a week, spring quarter. Professor Howard.

† Not given, 1934-1935.

271-272. PROBLEMS IN EDUCATIONAL PSYCHOLOGY. (10). Prerequisite, Education 31 or Psychology 21-22-23, and preferably one other course in Educational Psychology. (Either part may be taken for credit of 5 quarter hours.)

A double course treating intensively of the fundamental facts of educational psychology. This course is designed for those who intend to major in educational psychology and for all those who wish a thorough grounding in the psychological principles of education. The first part of this double course (271) will deal with problems of conduct and individual differences; the second part (272) will deal with problems of learning. *Five hours a week, fall and winter quarters.* Professor Jordan.

299. PRINCIPLES OF SECONDARY EDUCATION. (5).

A systematic course for graduate students, intended primarily for those who have not had Education 99. This course will embrace a study of the American high school, its evolution, organization, administration, functions, and problems. It is designed primarily for high school principals and graduate students who are looking forward to high school principalships. Textbooks, lectures, readings, and reports. A term paper will be required of each student before credit for the course will be allowed. *Five hours a week, spring quarter.* Professor Walker.

†303ac. PROBLEMS IN EDUCATIONAL ADMINISTRATION. (6). Prerequisite, Education 101, or its equivalent, and one other course in educational administration.

A graduate course offering opportunity for intensive study and research on selected problems in the field of educational administration. The problems will be selected by the class each year, making it possible for the student to take this course more than once. *Three hours a week, fall and spring quarters.* Professor Trabue.

†341abc. FOUNDATIONS OF EDUCATION IN THE SOUTH. (9).

This is a research course in modern educational practices and institutions and is open only to those advanced students who have had Education 141, or Education 142, or the equivalent. Various educational agencies will be studied through investigations, reports, and conferences. *Three hours a week, fall, winter, and spring quarters.* Professor Knight.

375. THESIS COURSE. (Maximum 5).

This is a course of strictly graduate grade in which there will be taken up such work as is necessary for each student in connection with the writing of his degree thesis. It is intended for those students whose graduate major is in education, but students whose thesis topics are closely related to education are invited to attend and to take part in the discussion. *Three hours a week.* Professors in the Department of Education.

376. SEMINAR COURSE. (3 each quarter).

A research course in a special field under the direction of a member of the department. Students may register and receive credit for one, two, or three quarters. *Three hours a week, fall, winter, and spring quarters.*

398-399. PROBLEMS IN SECONDARY EDUCATION. (10). (Either part may be taken for credit of 5 quarter hours.)

This double course is intended for advanced students and is primarily a course in investigation. To be admitted to it, a student must have pursued other courses in secondary education. Students who have not taken Education 99 may be admitted only with special permission of the instructor. At the beginning of the course each student is required to select some one problem for special investigation. A thesis will be required of each student. Throughout the two quarters regular class discussions will be held on present-day problems in secondary education and assigned readings will be required. *Five hours a week, fall and winter quarters.* Professor Walker.

† Not given, 1934-1935.

DEPARTMENT OF ENGLISH

Professors COFFMAN, KOCH, BOOKER, McKIE, TAYLOR, THRALL, PAINE;
 Visiting Professor ***CRAIG; Associate Professors HOWELL,
 *MACMILLAN, HUDSON, ERICSON, PHILLIPS RUSSELL, *ADAMS,
 BOND; Assistant Professors **McCLAMROCH, OLSEN, SELDEN,
 SHARPE, HARRY RUSSELL; Instructors BAILEY, WILSON, HORNER,
 SENSABAUGH, DAVIS, SPIVEY, WILLIAMS; Teaching Fellows COX,
 HAGOOD, PITTMAN; Assistants BROWN, MAHLER, CONGLETON,
 HENRY, SHOCKLEY, HOWELL, MILLIGAN, MURPHY, WISHART,
 McNEIR.

Courses for Undergraduates

NOTE. English 1-2-3 and English 21-22-23 are prerequisite to all advanced courses in the department. Juniors will not be admitted to courses for advanced undergraduates except by special permission.

1-2-3. FRESHMAN ENGLISH. (9). Required of all Freshmen except those in the School of Engineering.

English 1 (fall) has for its object practical control of the sentence as a rhetorical unit and an understanding of the relation of sentence structure to paragraph structure. English 2 (winter) centers attention upon the paragraph and begins consideration of the technical problems of the longer theme. English 3 (spring) is devoted to study of the structure and style of the essay, and undertakes an approach toward the problems of the literature course in the sophomore year. In all three quarters the student pursues directed reading, writes frequent themes, and has personal conferences with his instructor. (Students who fail to qualify for English 1 will be required to take a preliminary course without credit.) *Three hours a week, throughout the year.* Professors Hudson (Chairman), McClamroch, Adams, Harry Russell; Messrs. Horner, Wilson, Sensabaugh, Spivey, Brown, Williams, Cox, Hagood, Mahler, Congleton, Henry, Howell, Milligan, Murphy, Pittman, Shockley, Wishart, McNeir.

The following courses, 9abc, 29, 59, and 60abc, are offered by the Department of English for students in the School of Engineering. They are not open to other students.

9abc. COMPOSITION FOR ENGINEERS: INTRODUCTORY COURSE (6). Open only to students in the School of Engineering.

Two hours a week and weekly conferences, fall, winter, and spring quarters. Doctor Bailey (Chairman).

21-22-23. ENGLISH LITERATURE. (9). Prerequisite, English 1-2-3.

An introduction to English literature through the study of representative works of selected chief writers. *Three hours a week, throughout the year.* Pro-

 UNDERGRADUATE MAJORS IN ENGLISH

In the College of Liberal Arts:

General: English 50, 91 or 93, 100, 70 or 112 or 125; two of the following: 81, 82, 88, 141 (but only one course in American Literature may be counted here); and three other courses in English.

Dramatic: English 50, 113, 133, 149 or 162, 161, and three courses in dramatic composition or theatre arts.

For prospective teachers of English: English 41, 42 or 44, 45; 50, 52, 70, 81, 88 or 89, and courses in the materials and methods of teaching high school English (see the Department of Education).

* Absent on leave, 1934-1935.

** Absent on leave, fall and winter, 1934-35.

*** Visiting professor, winter, 1935.

fessors Paine (Chairman), Coffman, Booker, McKie, Taylor, Thrall, Howell, MacMillan, Ericson, Hudson, McClamroch, Adams, Olsen, Bond, Sharpe, Harry Russell; Doctor Sensabaugh.

29. LITERATURE FOR ENGINEERS. (5). Open only to students in the School of Engineering.

Five hours a week, fall or winter quarter. Professor Howell.

The following two courses are at once courses in literature and courses in speech. As literature courses, they are based on the pedagogical principle of "impression through expression." As speech courses, they deal with voice training and aim at the cultivation of clear and effective expression. In each course original analyses of works read and the oral reading of original papers are required.

41. THE ORAL INTERPRETATION OF DRAMATIC LITERATURE. (5).

Elizabethan, eighteenth-century, and modern plays are used to give variety in dramatic expression. *Five hours a week, fall quarter.* Professor McKie.

42. THE ORAL INTERPRETATION OF NON-DRAMATIC LITERATURE. (5).

A wide variety of poetry from Milton to Masefield is the main material in this course, though work is required in the reading of suitable prose. *Five hours a week, spring quarter.* Professor McKie.

44. PUBLIC SPEAKING: INTRODUCTORY COURSE. (5).

Emphasis on organization of material, outlines, delivery, problems of attention and persuasion. Assigned reading in contemporary public problems as a basis for speaking. *Five hours a week, every quarter.* Professor Olsen.

45. ARGUMENTATION AND PUBLIC DISCUSSION. (5).

Includes analysis of questions, evidence, types of argument, fallacies, problems of persuasion, and practice in parliamentary procedure. *Five hours a week, winter quarter.* Professor Olsen.

50. SHAKESPEARE. (5).

A study of Shakespeare's plays. About twenty representative comedies, tragedies, and histories will be studied. *Five hours a week, fall quarter* (Professor Koch), *spring quarter* (Professor Taylor).

Registration in English 51, 52, 53, 54 is limited. Before registering for these courses, students must secure the permission of the instructors.

51. ADVANCED COMPOSITION: PRACTICAL EXPOSITION. (5).

A course, primarily for students in the Schools of Commerce, Pharmacy, and Applied Science, designed to give practice in writing the forms commonly used in the business world: letters, reports, professional papers, and articles for the press. *Five hours a week, spring quarter.* Professor Howell.

52. ADVANCED COMPOSITION: THE TECHNIQUE OF EXPOSITION. (5).

A course in expository writing for students desiring practice in organization of material. *Five hours a week, fall quarter* (Professor Phillips Russell), *spring quarter* (Professor Howell).

53. CREATIVE WRITING. (5).

Study of and practice in various forms of original and imaginative writing, including verse, the short story, and the novel. Class criticism and discussion. *Five hours a week, winter quarter.* Professor Phillips Russell.

54. CREATIVE WRITING. (5).

To some extent parallel to the above course, but paying special attention to modern, experimental, and regional writing. *Five hours a week, spring quarter.* Professor Phillips Russell.

59a. ADVANCED TECHNICAL COMPOSITION. (With 59b 5). Open only to students in the School of Engineering. Required accompanying Course 59b.

59b. PREPARATION OF A TECHNICAL REPORT. (With 59a 5). Open only to students in the School of Engineering. Required accompanying course 59a.

The two courses will run concomitantly, five hours a week, fall or spring quarter. Professor Howell; Doctor Bailey.

60abc. PUBLIC SPEAKING FOR ENGINEERS. (6). Open only to students in the School of Engineering.

Two hours a week, fall, winter, and spring quarters. Professors McKie, Olsen.

The following six courses, English 61, 62, 63, 64, 65, 66, are introductory courses in the theory and practice of the theatre designed for students participating in the work of The Carolina Playmakers. All students registered for the three courses, English 64, 65, 66, will be required to fill positions on the technical staff of the productions of The Carolina Playmakers.

61. ACTING. (5).

Training in the technique of acting. Five hours class work a week, fall quarter. Fee for materials, \$1.00. Professor Selden.

Registration in English 62, 63 is limited. Before registering for these courses, students must secure permission of the instructor.

62. REHEARSAL AND PERFORMANCE. (5).

The theory and practice of ensemble acting from the point of view of both the actor and the director. Five hours classwork a week, winter quarter. Fee for materials, \$1.00. Professor Selden.

63. PLAY DIRECTION. (5). Prerequisite, English 61 or 62.

The theory and practice of play directing. Two hours lecture and six hours practical work a week, spring quarter. Fee for materials, \$2.00. Professor Selden.

64. SCENERY CONSTRUCTION AND PAINTING. (3).

Elementary theory and practice in the construction and painting of scenery for the stage. One hour lecture and four hours laboratory a week, fall quarter. (See the two preceding notes above.) Fee for materials, \$1.00. Mr. Davis.

65. STAGE LIGHTING. (3).

Elementary theory and practice in stage lighting, including the choice of equipment and its control in the theatre. One hour lecture and four hours laboratory work a week, winter quarter. (See the two preceding notes above.) Fee for materials, \$1.00. Mr. Davis.

66. STAGE DESIGN. (3).

The history of and elementary theory and practice in the designing of scenery for the stage, through the preliminary sketch, the model, and the working drawings. A considerable amount of simple architectural drafting will be required. One hour lecture and four hours laboratory work a week, spring quarter. (See the two preceding notes above.) Fee for materials, \$1.00. Professor Selden; Mr. Davis.

70. CHAUCER. (5).

*The essential work of the course is a reading of *The Canterbury Tales* and certain other selected works of Chaucer with a view to revealing the poet as a literary artist. Five hours a week, winter quarter. Professor Coffman.*

75. BROWNING. (5).

(1936 and alternate years.) Five hours a week, spring quarter. Professor Booker.

79. ENGLISH LITERATURE, 1890-1920. (5).

The aim of this course is to follow the main currents of thought in the more significant literature of the three decades closing with the World War. *Five hours a week, fall quarter.* Professor Booker.

81. AMERICAN LITERATURE. (5).

A survey of American literature from 1830 to 1855, with special attention to Poe, Emerson, Thoreau, Lowell, Hawthorne, and Melville. *Five hours a week, winter quarter.* Mr. Horner (1935); Professor Adams (1936).

82. AMERICAN LITERATURE. (5).

A survey of American literature from Whitman to the present with special emphasis upon the literature of the South. The course includes a study of the local color movement, traces the rise of realism, and surveys the social novel after 1880. *Five hours a week, spring quarter.* Mr. Horner (1935); Professor Adams (1936).

88. VICTORIAN LITERATURE I, 1832-1860. (5).

A survey with special attention to Carlyle, Tennyson, and Browning. *Five hours a week, winter quarter.* Professor Booker.

89. VICTORIAN LITERATURE II, 1860-1890. (5).

A survey with special attention to Ruskin, Rossetti, Morris, and Swinburne. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Booker.

91. THE ENGLISH NOVEL. (5).

A study of the English novel from Defoe to Hardy. *Five hours a week, fall quarter.* Professor Harry Russell (1934); Professor MacMillan (1935).

93. ENGLISH DRAMA. (5).

A study of English drama from the beginning to 1900. *Five hours a week, spring quarter.* Professor Coffman (1935); Professor Sharpe (1936).

98. CONTEMPORARY POETRY. (5).

A study of selections from American and English poets whose work has achieved an individual yet essentially homogeneous expression chiefly since 1918. *Five hours a week, spring quarter.* Professor McClamroch.

99. HISTORY OF ENGLISH LITERATURE. (5).

This course is designed to strengthen the student's factual framework of essential literary history and to enable him to supplement the gaps in his first hand knowledge of important and significant literary productions. It is required of seniors majoring in English whose course average in the department is lower than B, but open to all who desire to prepare for the comprehensive examination. *Five hours a week, fall quarter.* Professor Sharpe.

Permission of the instructor is required for registration in the following course.

100. DIRECTED READINGS. (5).

Open to advanced students in any department who desire to read in the field of their literary interests. *Five hours a week, spring quarter.* Professor Coffman.

DEBATING 1. (3).

A course in the discussion and analysis of current public questions. Occasional lectures by various members of the faculty. Weekly meetings throughout the year. Professor Olsen (Chairman).

Courses for Graduates and Advanced Undergraduates**101. OLD ENGLISH: INTRODUCTORY COURSE. (5).**

A study of Old English grammar and syntax. A considerable amount of Old English prose is read. *Five hours a week, fall quarter.* Professor Ericson.

105. MEDIEVAL ROMANCE IN ENGLISH. (5).

A survey of medieval romance and romance materials in English literature, with particular attention to the Arthurian tradition. *Five hours a week, winter quarter.* Professor Thrall.

111. ENGLISH LITERATURE OF THE RENAISSANCE. (5).

A survey of the literature of the Elizabethan period, exclusive of the drama. *Five hours a week, fall quarter.* Professor Thrall; Professor Craig (winter, 1935).

112. SPENSER. (5).

The works of Spenser are studied in the light of the life, times, and culture of the poet, with some consideration of the problems involved in such a study. *Five hours a week, spring quarter.* Professor Thrall.

113. ENGLISH DRAMA, 1500-1600. (5).

English Drama in the Sixteenth Century with preliminary consideration of the religious drama in Western Europe and in Medieval England. *Five hours a week, winter quarter.* Professor Sharpe (1935); Professor Coffman (1936).

114. ENGLISH DRAMA, 1600-1642. (5).

Five hours a week, spring quarter. Professor Sharpe.

121. ENGLISH LITERATURE, 1616-1700. (5).

The non-dramatic literature of the period. (1936 and alternate years.) *Five hours a week, winter quarter.* Professor Howell.

125. MILTON. (5).

The works of Milton are studied in the light of the life, times, and culture of the poet, with some consideration of the problems involved in such a study. *Five hours a week, fall quarter.* Professor Taylor.

131. ENGLISH LITERATURE, 1700-1780. (5).

The non-dramatic literature of the period. *Five hours a week, fall quarter.* Professors MacMillan, Bond.

133. RESTORATION AND EIGHTEENTH-CENTURY DRAMA. (5).

A study of the drama from 1660 to 1800. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor MacMillan.

141. ENGLISH LITERATURE, 1780-1830. (5).

A survey of English literature of the romantic period with especial attention to the greater poets. *Five hours a week, winter quarter.* Professor Hudson.

149. NINETEENTH-CENTURY DRAMA. (5).

A study of representative English plays in the nineteenth century. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Koch.

151. EARLY AMERICAN LITERATURE. (5).

A survey of the literature of the colonial, revolutionary, and early national periods, including Bryant, Irving, and Cooper. *Five hours a week, fall quarter.* Professor Paine.

The following three courses in Play Writing, English 155, 156, 157, should be taken consecutively. If it is not practicable to do this, however, the student may, with the consent of the instructor, take any one of the three courses offered. Under exceptional circumstances a student may repeat one or more of the courses for credit. Special permission is necessary for this privilege.

155. PLAY WRITING. (5).

A practical course in playwriting and experimental production. In all three of the playwriting courses emphasis is placed on the native tradition and present-day life of the region with which the student is most familiar. The student is expected to direct experimental productions of plays written in the

course. The best of these are given public production by The Carolina Playmakers. *Four hours lecture and two hours practical work a week, fall quarter. Fee for experimental productions, \$2.00.* Professor Koch, assisted by Professor Selden.

156. PLAY WRITING. (5).

The principles of dramatic construction and practice in the writing and production of one-act plays. Experimental and public productions. *Four hours lecture and two hours practical work a week, winter quarter. Fee for experimental productions, \$2.00.* Professor Koch, assisted by Professor Selden.

157. PLAY WRITING. (5).

Practice in writing one-act and full-length plays with experimental and public productions by The Carolina Playmakers. *Four hours lecture and two hours practical work a week, spring quarter. Fee for experimental productions, \$2.00.* Professor Koch, assisted by Professor Selden.

161. COMPARATIVE DRAMA. (5).

A general survey of the drama and the theatre from Æschylus to Ibsen. The development of dramatic literature is studied through representative plays (in translation) of the leading European dramatists. *Five hours a week, winter quarter.* Professor Koch.

162. MODERN DRAMA. (5).

A study of representative plays of recent times, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Koch.

163. LITERARY CRITICISM. (5).

The principles which have animated classical, romantic, and realistic literature. *Five hours a week, winter quarter.* Professor Bond.

167. THE ENGLISH BALLAD. (5).

A study of the English and Scottish popular ballads, with a survey of ballad survivals in America, particularly in North Carolina. Students in the course who may have access to ballads in oral circulation will be encouraged to collect them. *Five hours a week, spring quarter.* Professor Hudson.

170. THE HISTORY OF THE ENGLISH LANGUAGE. (5).

The English language in the light of its historical development. Study of the chief linguistic influences and tendencies as seen in literary specimens of the various periods. *Five hours a week, spring quarter.* Professor Ericson.

Courses Primarily for Graduates

201. STUDIES IN OLD ENGLISH LITERATURE: BEOWULF. (5).

Prerequisite, English 101.

Five hours a week, winter quarter. Professor Ericson.

202. MIDDLE ENGLISH. (5).

The main purpose of the course is to acquaint the student with the literature of the period by relation to the social, political, and religious background. A fuller study will be made of the historical and philological relations of Middle English than in English 208. *Five hours a week, spring quarter.* Professor Coffman.

203. MEDIEVAL DRAMA. (5).

A study of the origin and development of the religious drama in Western Europe; special consideration of the craft cycles and the moralities. (Offered 1936 only through English 340.) Professor Coffman.

208. CHAUCER. (5).

The work of the course will consist chiefly of a reading and discussion of Chaucer's works, with attention to the critical and historical problems involved in their interpretation, and with some consideration of Chaucer's language. Previous training in Old or Middle English is not prerequisite. *Five hours a week, fall quarter.* Professor Coffman.

231-232. SHAKESPEARE. (10).

The works of Shakespeare are studied with emphasis upon the historical and critical problems which they present. *Five hours a week, winter and spring quarters.* Professor Taylor.

243. VICTORIAN LITERATURE, 1832-1890. (5).

This course describes for graduates the Victorian literary monuments and the historical and critical material concerning them. *Five hours a week, winter quarter.* Professor Booker.

283. AMERICAN LITERATURE, 1830-1855. (5).

This survey course follows English 151, which is not, however, prerequisite. The chief authors are Poe, Emerson, Thoreau, Longfellow, Lowell, Hawthorne, and Melville. Especial attention is given to the literature of the South. (1937 and alternate years.) *Five hours a week, spring quarter.* Professors Adams, Paine.

284. AMERICAN LITERATURE, 1855-1900. (5).

This survey course follows English 283, which is not, however, prerequisite. The chief authors are Lanier, Whitman, Mark Twain, Bret Harte, Howells, and James. Stress is placed upon the cultured and folk literature of the South, the influence of Whitman upon poetry, the rise of realism, literary criticism, and the dominance of magazines. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Paine.

307. SEMINAR: STUDIES IN MEDIEVAL LITERATURE. (5).

Research in special problems concerning medieval drama, Chaucer, and other vernacular literature of the middle ages. *Five hours a week, winter quarter.* Professor Coffman.

310. SEMINAR: STUDIES IN ELIZABETHAN LITERATURE. (5).

Research in special problems in Elizabethan literature. *Five hours a week, fall quarter.* Professor Taylor.

312. SEMINAR: STUDIES IN SEVENTEENTH-CENTURY LITERATURE. (5).

Research in special problems in the literature and thought of the seventeenth century. (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Howell.

313. SEMINAR: STUDIES IN EIGHTEENTH-CENTURY LITERATURE. (5).

Special problems in the literary and intellectual movements of the eighteenth century. *Five hours a week, spring quarter.* Professors MacMillan, Bond.

317. SEMINAR: STUDIES IN NINETEENTH-CENTURY ROMANTICISM IN ENGLAND. (5).

Wordsworth and Coleridge: the English and Continental aspects of their thought and art. *Five hours a week, fall quarter.* Professor Hudson.

318. SEMINAR: STUDIES IN AMERICAN LITERATURE. (5).

Five hours a week, winter quarter. Professors Paine, Adams.

320. SEMINAR: STUDIES IN VICTORIAN LITERATURE. (5).

Special problems in the literature appearing between 1832 and 1890. *Five hours a week, spring quarter.* Professor Booker.

331. BIBLIOGRAPHY AND METHODOLOGY. (5).

A course designed to aid students in preparing term papers, theses, and dissertations. The bibliographical guides for the study of English are presented, the problems of literary research are discussed, and the standard procedures and forms in writing scholarly papers are taught. Required of all candidates for the A.M. and Ph.D. degrees. *Five hours a week, winter quarter.* Professor Paine.

340. SPECIAL READINGS. (5).

Research in a special field under the direction of a member of the department. This course may not be repeated for credit.

341. SPECIAL RESEARCH. (5).

Research in a special field under the direction of a member of the department.

Attention is called to the courses in philology and advanced literary study offered in the Department of Classics (Latin 202, Latin Epigraphy; Latin 203, Latin Paleography), General and Comparative Literature, Germanic Languages (German 221, Introduction to Comparative Philology; German 201, Gothic, etc.), and Romance Languages (French 221-222-223, Old French; French 225, Provencal; Celtic 105, Middle Irish; Spanish 221-222, Early Spanish; Italian 131-132, Dante; etc.).

DEPARTMENT OF GENERAL AND COMPARATIVE LITERATURE

Professors HOWE (Chairman), KOCH, BERNARD, LEAVITT, HOLMES, THRALL, TAYLOR, COFFMAN, BROWN, ADAMS, HUSE; Associate Professors LYONS, METZENTHIN, BOGGS, STOUDEMIRE, BOND.

Courses for Undergraduates**61, 62. CLASSICAL LITERATURE. (5 each).**

A study of masterpieces of Greek and Latin literature in English translation with special reference to the contribution of ancient civilization to modern thought. *Five hours a week, fall and winter quarters.* Professors Bernard, Howe.

65. ORIENTAL LITERATURE. (5).

The epics, dramas, etc., of the Hindus, Chinese, and other peoples are studied for their revelation of the Oriental outlook on life, and for their contribution to Occidental literature and thought. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Holmes.

75. SHAKESPEARE. (5).

A study of Shakespeare's plays. About twenty representative comedies, tragedies, and histories will be studied. (Same as English 50.) *Five hours a week, fall quarter* (Professor Koch), *spring quarter* (Professor Taylor).

Courses for Graduates and Advanced Undergraduates**105. MEDIEVAL ROMANCE IN ENGLISH. (5).**

A survey of Medieval romance and romance materials in English literature, with particular attention to the Arthurian tradition. *Five hours a week, spring quarter.* Professor Thrall.

111. THE LATIN EPIC. (5).

The history of the Latin Epic; detailed study of the *Æneid*. *Five hours a week, spring quarter.* Professor Howe.

112. THE POETRY OF OVID. (5).

The reading in English of the complete works of Ovid. Special critical studies in the *Metamorphoses*. The influence of Ovid on later writers. *Five hours a week, fall quarter*. Professor Howe.

113. THE GREEK EPIC. (5).

Epic as a literary form; the *Iliad* and *Odyssey*; origins, Mycenaean civilization, literary characteristics, comparison of the chief English translations, comparison with Norse, Latin, Italian, and English epic. *Five hours a week, winter quarter*. Professor Bernard.

121, 122. LESSING AND SCHILLER IN ENGLISH TRANSLATION. (5).

Their lives and works; their philosophical, theological, social, and literary views; their indebtedness to earlier literature and their influence on later thinkers and writers. (1937 and alternate years.) Course 121 (Lessing), *three hours a week, winter quarter*; Course 122 (Schiller), *three hours a week, spring quarter*. Professor Metzenthin.

123. GOETHE IN ENGLISH TRANSLATION. (5).

Study of the man, thinker, and poet in connection with the German and general European movements of thought and literature in his time. Lectures and reports. (1936 and alternate years.) *Five hours a week, spring quarter*. Professor Brown.

125. MILTON. (5).

The works of Milton are studied in the light of the life, times, and culture of the poet, with some consideration of the problems involved in such a study. *Five hours a week, fall quarter*. Professor Taylor.

151. THE MIDDLE AGES. (5).

A survey of Medieval France, England, Germany, Spain, Italy, and Byzantium, from the point of view of civilization and especially of art and literature. (1935 and alternate years.) *Five hours a week, fall quarter*. Professor Holmes.

152. THE RENAISSANCE. (5).

An account of the establishment of modern European culture. Lectures on the history, science, fine arts, literary scholarship, and literature of the Renaissance in Italy, France, Germany, the Netherlands, and England. (1936 and alternate years.) *Five hours a week, fall quarter*. Professors Holmes (Chairman), Adams, Lyons.

155. GREEK DRAMATIC LITERATURE. (5).

A course designed to embrace the origin, development, technique, and content of Greek drama, with emphasis on tragedy. An interpretation of Greek life and thought as contributing to world progress. *Five hours a week, winter quarter*. Professor Bernard.

156. DANTE IN ENGLISH TRANSLATION. (5).

The *Vita Nuova* and the *Divine Comedy*; the precursors of Dante and the poets of the *dolce stil nuovo*. Special studies of Dante's political and social philosophy, with particular emphasis on Dante as a poet and as a guide. *Five hours a week, fall quarter*. Professor Huse.

157. CERVANTES IN ENGLISH TRANSLATION. (5).

Consideration of the Romances of Chivalry in Spain; study of Cervantes' *Don Quixote* and the *Exemplary Novels* in English translation. *Five hours a week, spring quarter*. Professor Stoudemire.

159. FRENCH CLASSICISM. (5).

A general survey of the origins of classicism in France. Assigned readings in the Greek and Latin writers with emphasis on the modification of their

art which explains the masterpieces of the French 17th century. A large part of the course will be given over to the plays of Corneille, Molière, Racine, and their contemporaries. The decline of classicism in France; the gradual breaking down of classic standards, and the evolution toward an unrestricted type of literature. *Five hours a week, spring quarter.* Professor Wiley.

161. COMPARATIVE DRAMA. (5).

A general survey of the drama and the theatre from Aeschylus to Ibsen. Special attention is given to the function of the drama in representative plays of the leading European dramatists. *Five hours a week, winter quarter.* Professor Koch.

162. MODERN DRAMA. (5).

A study of representative plays of recent times, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Koch.

163. LITERARY CRITICISM. (5).

The principles which have animated classical, romantic, and realistic literature. *Five hours a week, spring quarter.* Professor Bond.

185. INTRODUCTION TO FOLKLORE. (5).

A study of folk literature and its cultural significance; of the theories of origin of themes; of the various types, such as the ballad, legend, myth, tale, and proverb. Methods of gathering folklore are evaluated. *Five hours a week, winter quarter.* Professor Boggs.

DEPARTMENT OF GEOLOGY

Professor PROUTY; Associate Professor MACCARTHY; Assistant Professors EMORY, HUDDLE; Instructor MARTIN; Teaching Fellow EDWARDS; Assistants STRALEY, COPELAND.

Geology: Courses for Undergraduates

11-12-13. INTRODUCTION TO GEOLOGY. (12).

This introductory course for freshmen and sophomores deals with the materials of the earth, with physiographic processes and their results, and with the history of the earth and its inhabitants. Sophomore elective. *Three lecture and two laboratory hours a week throughout the year. Laboratory fee, \$2.00 a quarter.* Geology 11-12-13 is the equivalent of Geology 41, 42, which is given in two quarters for juniors and seniors. Professors Prouty, MacCarthy, Huddle; Messrs. Martin, Edwards, Straley.

41-42. INTRODUCTION TO GEOLOGY. (12).

Lectures with laboratory and field work; laboratory work in the first quarter on common rocks and minerals, and map interpretation; in the second quarter on geological folios and the more common fossils. The first quarter deals with physical geology, with physiographic processes and their results; the second quarter is a study of the outlines of historical geology. Geology 41 is offered in the fall and spring quarters, in the summer session and on summer transcontinental tour. Geology 42 is offered in winter quarter and in the summer session. These courses given in two quarters for juniors and seniors are the equivalent of Geology 11-12-13 given in three quarters for freshmen and sophomores. *Four lecture and four laboratory hours a week. Laboratory fee, \$3.00 a quarter.* Professors Prouty, MacCarthy, Huddle; Messrs. Martin, Edwards, Straley.

43-44. MINERALOGY. (10). Prerequisite, Introductory Geology, Chemistry 1-2-3 or 4-5.

Crystallography, physical and chemical properties of minerals, blow-pipe analysis; lectures, laboratory work, and field work. *Two lecture and six laboratory hours a week, fall and winter quarters. Laboratory fee, \$5.00 a quarter.* Professor MacCarthy.

45. METEOROLOGY. (5).

A study of the atmosphere and the factors controlling the weather; the making and interpretation of weather maps; weather forecasting. *Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, \$2.50.* Professor MacCarthy.

47. PALEONTOLOGY. (5). Prerequisite, Introductory Geology.

Introduction to invertebrate paleontology. *Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, \$3.50.* Professor Huddle.

48-49. SUMMER FIELD COURSE IN GEOLOGY. (10). Prerequisite, Introductory Geology.

A six weeks' course to be given in North Carolina and bordering states. In this course economic, structural, and stratigraphic geology and geological mapping will be emphasized. This course will coincide with the scheduled six weeks' summer school course. This course may also be taken with transcontinental tour. *Equivalent of five hours a week for two quarters.* Professors Prouty, MacCarthy, Huddle.

61. PRINCIPLES OF GEOLOGY. (5). Prerequisite, Introductory Geology.

Principles of geology, including the history of geological science; lectures, field work, and library work, with reports. *Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, \$3.00.* Professor Huddle.

77-78. ENGINEERING GEOLOGY. (10). For students in engineering.

Three lecture and four laboratory hours a week, fall and winter quarters. Laboratory fee, \$3.50 a quarter. Professor Prouty.

Geography: Courses for Undergraduates

14. PHYSICAL GEOGRAPHY. (5).

Principles of physical geography, with special application to the North American Continent. Lectures, assigned readings, laboratory work. *Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, \$2.50.* Professors Prouty, MacCarthy, Huddle, Emory.

This course may also be taken as a field course during the summer.

15. ELEMENTS OF GEOGRAPHY. (5).

This elementary course in college geography makes a rapid survey of the world on the basis of climatic regions. The human activities of each region are studied as adjustments to the geographic factors of that region. *Five hours a week, fall or spring quarter. Laboratory fee, \$1.50.* Professor Emory.

51, 52. INDUSTRIAL AND COMMERCIAL GEOGRAPHY. (5 each).

Lectures, library work, and laboratory work. The course deals with man's interaction with his varying environments in the development of industries, and with the geographic conditions of different countries as giving rise to commerce. *Five hours a week, fall and winter quarters. Laboratory fee, \$2.50 a quarter.* Professor Emory.

53. HUMAN GEOGRAPHY. (5).

Lectures, library work, and laboratory work. The course consists of the principles studied in Geology 51, 52 in their application to some one of the continents. *Five hours a week, spring quarter. Laboratory fee, \$2.50.* Professor Emory.

57. GEOGRAPHY OF NORTH AMERICA. (5).

This course deals with the physical features, soils, minerals, climatic resources, and transportation facilities of North America. These correlated factors will be utilized to explain the activities of the various regions. *Five hours a week, reading and reports, winter quarter.* Professor Emory.

Geology: Courses for Graduates and Advanced Undergraduates

105. ELEMENTS OF GEOPHYSICS. (5). Prerequisite, Introductory Geology and Freshman Mathematics.

The fundamental principles of geophysics, the application of these principles to practical problems. This course may be continued for not more than two additional quarters under the numbers 106 and 107. *Four lecture and two laboratory hours a week, fall quarter. Laboratory fee, \$5.00 a quarter.* Professor MacCarthy.

111, 112, 113. ECONOMIC GEOLOGY. (5 each). Prerequisite, Introductory Geology, Geology 43, 44, Chemistry 1-2-3 or 4-5.

Lectures, laboratory work, and reports. The first course will deal chiefly with the principles of ore formation and their economic development. The two following courses will deal with the better known mineral deposits, both metallic and non-metallic. (1935-1936 and alternate years.) *Three lecture and four laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$3.50 a quarter.* Professor Prouty; Assistant.

121, 122. FIELD AND STRUCTURAL GEOLOGY. (5 each). Prerequisite, Introductory Geology.

Lectures, laboratory, problems, conferences, and field work. The first quarter deals with geological note taking, surveying, map making, and field practice; the second quarter deals with structural geology and map interpretation. (1936-1937 and alternate years.) *Three lecture and four laboratory hours a week, fall and winter quarters. Laboratory fee, \$3.50 a quarter.* Professor Prouty; Assistant.

123. OIL GEOLOGY. (5). Prerequisite, Geology 121, 122.

Lectures, laboratory work, and reports. A study of the origin, distribution, and accumulation of petroleum, with special relation to the old fields of North America; methods of prospecting oil, recovery of oil, the valuation of oil properties. *Four lecture and two laboratory hours a week, spring quarter. Laboratory fee, \$3.50.* Professor Huddle.

131. ADVANCED CRYSTALLOGRAPHY. (5). Prerequisite, Chemistry 1-2-3 or 4-5, Geology 43-44.

This course includes a detailed consideration of the nature of crystals and crystalline substances, the use of both contact and reflecting goniometer, and crystal drawing. *Three lecture and four laboratory hours a week, spring quarter. Laboratory fee, \$3.50.* Professor MacCarthy.

133. PETROLOGY. (5). Prerequisite, Introductory Geology, Geology 43-44, Chemistry 1-2-3 or 4-5.

Lecture and laboratory work on rocks; a study of the origin, classification, and distribution of rocks. *Three lecture and four laboratory hours a week, fall quarter. Laboratory fee, \$3.50.* Professor Prouty; Assistant.

134. PETROGRAPHY. (5). Prerequisite, Introductory Geology, Geology 43-44, Chemistry 1-2-3 or 4-5.

Lectures, laboratory work on the microscopic physiography of the rock-forming minerals; optical mineralogy and the theory of light as applied to the polarizing microscope; minerals as observed in thin rock sections. *Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, \$3.50.* Professor Prouty.

148-149. SUMMER FIELD COURSE IN GEOLOGY. (10).

This course is similar to 48-49 but is to be given in alternate years and in a different type of geological area.

171-172-173. ADVANCED PALEONTOLOGY. (15).

A study of index fossils, their classification and use. (1935-1936 and alternate years.) These courses may be continued under numbers 174-175-176 as Micro-paleontology. *Three lecture and four laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$3.50 a quarter.* Professor Huddle.

181-182-183. ADVANCED HISTORICAL GEOLOGY. (15). Prerequisite, Introductory Geology.

A study of the principles of historical geology and stratigraphy, the history of stratigraphic geology, the origin of the earth, and the geography, life, and geologic events of the archaean, proterozoic, and paleozoic eras of the earth's history. (1936-1937 and alternate years.) *Five hours a week, fall, winter, and spring quarters.* Professor Huddle.

191-192-193. APPLIED GEOPHYSICS. (5 each). Prerequisite, Mathematics through Calculus.

A survey of geophysical methods used for the detection of ore deposits, oil, etc.; a description of geophysical instruments and their use; actual geophysical surveys of selected areas about Chapel Hill. *Three lecture and four laboratory hours a week, fall, winter, and spring quarters.* Professor MacCarthy.

Geography: Courses for Graduates and Advanced Undergraduates**156. ADVANCED WORK IN PHYSIOGRAPHY. (5). Prerequisite, Introductory Geology.**

Lectures, field work, and laboratory work, dealing in detail with physiographic processes and their results; geomorphology. An extended field study is required in this course. *Five hours a week, lectures and laboratory, spring quarter. Laboratory fee, \$2.00.* Professors MacCarthy, Emory.

Geology or Geography: Courses for Graduates and Advanced Undergraduates**141-142-143. ADVANCED FIELD WORK AND SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY. (15).**

Problems and work adapted to the special needs of the student. For graduates and specially prepared seniors. Students in this course are expected to keep Saturday open, for field work. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Five hours a week, fall, winter, and spring quarters.* Professors Prouty, MacCarthy, Huddle, Emory; Assistants.

Geology or Geography: Courses for Graduates**304-305-306. SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY. (15).**

The student is expected to devote six weeks to work in the field, accompanied by the instructor, and to work up his results during the first quarter of the college year. The entire research constitutes three courses. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Equivalent of five hours a week, fall, winter, and spring quarters.* Professors Prouty, MacCarthy, Huddle, Emory.

307-308-309. SPECIAL RESEARCH. (15).

Special Research in economic geology, in historical geology, in paleontology, petrology and petrography, and in geography, two quarters of which must be taken as a seminar course. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition. *Equivalent of five hours a week, fall, winter, and spring quarters.*

The Geological Seminar meets fortnightly for the review and discussion of current geological literature, and for the presentation of original papers.

DEPARTMENT OF GERMANIC LANGUAGES

Professor BROWN; Associate Professor METZENTHIN; Instructors SPANN, COENEN, HOLBROOK; Teaching Fellow HAMMER.

Courses for Undergraduates

1-2-3. ELEMENTARY AND INTERMEDIATE GERMAN. (9).

A course running through three quarters, designed for beginners and for those whose preparation is not sufficient to qualify them for Intermediate German (11-12-13). *Six hours a week, through the year.* Professor Metzenthin; Doctor Spann; Messrs. Coenen, Holbrook.

11-12-13. INTERMEDIATE GERMAN. (9).

A course running through three quarters, designed for those who show evidence of adequate preparation. Sophomore elective. *Three hours a week, through the year.* Professor Metzenthin; Doctor Spann; Messrs. Coenen, Holbrook.

14-15-16. SPECIAL COURSE IN ELEMENTARY GERMAN. (9).

A course for beginners open only to those who desire an introduction to a second foreign language and who give evidence of being especially well qualified for such study. Sophomore elective. *Three hours a week, through the year.* Professor Brown.

21-22-23. ADVANCED GERMAN. (9). Prerequisite, German 1-2-3 or 11-12-13 or the equivalent.

Survey of German Literature with selected readings from representative authors. Sophomore elective. *Three hours a week, through the year.* Professor Brown; Doctor Spann.

51. *PRACTICE IN WRITING AND SPEAKING GERMAN. (5). Prerequisite, German 21.

Five hours a week, spring quarter. Mr. Coenen.

Courses for Graduates and Advanced Undergraduates

101-102. *GOETHE. (10). Prerequisite, German 23. This course may be elected only after consultation with the instructor.

Study of his life. Reading and interpretation of representative works. Lectures and reports. *Five hours a week, two quarters on application.* Professor Brown.

103-104. *GOETHE'S FAUST. (10). Prerequisite, German 23. This course may be elected only after consultation with the instructor.

* NOTE: Courses 51, 101-102, 103-104, 111, 201, 203, 207, 211, 221, 223, 225, 251 will be given if they are desired by a sufficient number of students. In any case the department reserves the right to withdraw a course for which the registration is very small.

Course 51 may not be counted among the prerequisites for advanced courses.

Goethe: *Faust*, Parts I and II. *Five hours a week, two quarters on application. As a graduate course, it may be completed in one quarter.* Professor Brown.

111. *GERMAN DRAMA IN THE NINETEENTH CENTURY. (5). Prerequisite, six courses in German.

Kleist, Grillparzer, Hebbel, Ludwig, Hauptmann. Reading, lectures, reports. *Five hours a week, one quarter on application.* Professor Brown.

121, 122. LESSING AND SCHILLER IN ENGLISH TRANSLATION. (3 each).

Their lives and works; their philosophical, theological, social, and literary views; their indebtedness to earlier literature and their influence on later thinkers and writers. (1935 and alternate years.) Course 121 (Lessing), *three hours a week, winter quarter*; Course 122 (Schiller), *three hours a week, spring quarter.* Professor Metzenthin.

123. GOETHE IN ENGLISH TRANSLATION (5).

Study of the man, thinker, and poet in connection with the German and general European movements of thought and literature in his time. Lectures and reports. (1935 and alternate years.) *Five hours a week, spring quarter.* Professor Brown.

Courses Primarily for Graduates

201. *GOTHIC. (5). Prerequisite, six courses in German.

Braune's *Gotische Grammatik*, or Wright's *Gothic Grammar*; select parts of Paul's *Grundriss der Germanischen Philologie*. Introduction to Germanic Philology. *Five hours a week, one quarter on application.* Professor Metzenthin.

203. *OLD HIGH GERMAN. (5). Prerequisite, six courses in German.

Braune's *Althochdeutsche Grammatik*; Braune's *Althochdeutsches Lesebuch*. *Five hours a week, one quarter on application.* Professor Metzenthin.

207. *MIDDLE HIGH GERMAN. (5). Prerequisite, six courses in German.

Middle High German grammar. Wide reading. *Five hours a week, one quarter on application.* Professor Brown.

211. *THE ROMANTIC SCHOOL IN GERMANY. (5).

Five hours a week, one quarter on application. Professor Brown.

221. *INTRODUCTION TO COMPARATIVE PHILOLOGY. (5). Prerequisite, one classical and one modern foreign language. This course may be elected only after consultation with the instructor.

Theories of the origin and development of human speech. Classification and history of languages. Specimens of primitive (American Indian) languages. Peculiarities of the Semitic branch (Hebrew). The Indo-European family. Linguistic history and geography of Europe. *Five hours a week, one quarter on application.* Professor Metzenthin.

223. *GERMANIC PHILOLOGY. (5). Prerequisite, advanced English and German.

After a survey of the Indo-European family of languages the pre-historic, primitive Germanic language is explained and from it, as their source the various Germanic dialects are traced and their historical developments discussed. An introduction to the reading and interpretation of Germanic manuscripts will be given. *Five hours a week, one quarter on application.* Professor Metzenthin.

* NOTE: Courses 51, 101-102, 103-104, 111, 201, 203, 207, 211, 221, 223, 225, 251 will be given if they are desired by a sufficient number of students. In any case the department reserves the right to withdraw a course for which the registration is very small.

225. *OLD SAXON. (5).

Introduction to the grammar and syntax of the Old Saxon dialect. Comparison with Gothic, Old High German, and Old English. Study of "Heliand" and "Genesis" as well as of the minor Low German prose documents of the 9th and 10th centuries, based on Otto Basler, *Altsächsisch* (Freiburg, 1923). *Five hours a week, one quarter on application.* Professor Metzenthin.

251. *HISTORY OF GERMAN LITERATURE FROM 1500 TO 1750. (5).

Stress is laid on the religious (polemic, lyric) literature of the German reformation in the 16th century, with Luther as the spiritual center and as the founder of the modern German language; on the overwhelming influence of foreign literature during the 17th century; and on the reaction in the first half of the 18th century. *Five hours a week, one quarter on application.* Professor Metzenthin.

DEPARTMENT OF HISTORY AND GOVERNMENT

Professors *CONNOR, HAMILTON, WAGSTAFF, PIERSON, WOODHOUSE, GARRETT, CALDWELL, MACKINNEY; Visiting Professors BOYD, LEFLER; Associate Professor FRAZER; Assistant Professors JENKINS, CRITTENDEN, ROBSON; Instructors RUSSELL, JOHNSON, †BRITT, PEGG, LACY; Teaching Fellows BRAY, McGEACHY, WALL.

HISTORY**Courses for Undergraduates****1-2-3. FOUNDATIONS OF MODERN HISTORY. (9).**

A general course dealing with the fundamental factors in modern civilization in Europe and the United States. The emphasis of the course will rest upon the commercial revolution, European expansion, the Protestant Revolt, colonial and dynastic rivalry, the Old Regime, the French Revolution, the Industrial Revolution, the rise of democracy, the growth of modern imperialism, and the course of modern international relations. Textbooks and readings. This course will not be offered after the session of 1934-1935. *Three hours a week, every quarter.* Professors Garrett, MacKinney, Crittenden; Messrs. Pegg, Russell, Johnson, Britt.

Note. History 1-2-3 or the equivalent are prerequisite to all other courses in this department.

***12. AMERICAN BIOGRAPHY. (5).**

A general survey of the lives of a selected group of distinguished Americans and a study of their influence upon the history of the United States. Lectures, readings, and reports. *Five hours a week, spring quarter.* Professor

41-42. ANCIENT AND MEDIEVAL HISTORY: GENERAL COURSE. (10).

A course dealing with the history of civilization from its beginnings to 1500 A.D. The first half of the course is devoted to the Orient, Greece, and Rome to the time of Constantine; the second half, to Western Europe in particular, from the time of Rome's decline to the age of the Renaissance and

* In October, 1934, Professor Connor resigned as Head of the Department to become Chief Archivist of the United States. Professor Pierson was appointed Acting-Head, and Professor Robson was made Secretary of the Department. Professor W. K. Boyd of Duke University and Professor H. T. Lefler of the N. C. State College of Agriculture and Engineering became Visiting Professors.

† Resigned.

Reformation. Special attention will be paid to social and economic conditions and cultural and religious developments. Sophomore elective. *Five hours a week, winter and spring quarters.* Professors Caldwell, MacKinney.

44-45-46. ENGLISH HISTORY: GENERAL COURSE. (9).

The purpose of this course is to convey a good working knowledge of English history and broaden it into a survey of the part the Anglo-Saxon race has played in world history. Textbooks, readings, and lectures. Sophomore elective. *Three hours a week, through the year.* Professor Wagstaff.

47-48-49. AMERICAN HISTORY: GENERAL COURSE. (9).

A general survey of the history of the United States. Lectures, textbooks, and readings. Sophomore elective. *Three hours a week, through the year.* Professor Crittenden.

51. THE ORIENT AND EARLY GREECE. (5).

An advanced course in the history of the Bronze Age in the Mediterranean, the beginning of civilization in Egypt, Babylonia, Syria and Palestine, and Crete, and the history of their development down to the time of the Persian Empire. Attention will be given to the hieroglyphics and cuneiform scripts, to economic conditions, governments and law, artistic and literary achievements, and religion. (1935 and alternate years.) *Five hours a week, fall quarter.* Professor Caldwell.

52. GREECE: THE CLASSICAL PERIOD. (5).

A history of the classical period of Ancient Greece: the Homeric Age, the Expansion of the Hellas, the Renaissance of the Aegean, the Fifth and Fourth Centuries to the death of Alexander. Particular attention will be given to the growth of democracy, social and economic aspects, artistic, literary, and religious developments. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Caldwell.

53. HELLENISTIC GREECE AND THE ROMAN REPUBLIC. (5).

A survey of the world into which Rome entered; the political, economic, and social conditions of the Eastern Mediterranean; Hellenistic art, literature, and religion; the establishment and growth of the Roman Republic; Roman expansion throughout the Mediterranean; the growth of Roman culture; the Roman Revolution, and the foundation of the Empire. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Caldwell.

* NOTE: Regulations as to undergraduate majors in the Department of History and Government:

1. History courses 41-49, inclusive, and Government courses 21-22-23 and 51, except as provided below, are not to be credited towards fulfilling the requirements of the major. History 12 cannot be used in meeting the requirements of a major.

2. The major in History and Government shall consist of eight approved courses; provided, however, that the Department may reduce this requirement to six, (a) in the Division of European History for students who have passed with distinction (i.e. with a grade of A or B) either History 41-42 or History 44-45-46; (b) in the Division of American History for students who have passed with distinction History 47-48-49; (c) to seven courses in the Division of Government for students who have passed with distinction either Government 51 or Government 21-22-23 and to six courses for students who have passed with distinction both of these.

3. For purposes of the major, the courses of the Department will be considered as having been divided into three "Divisions of Specialization:" (1) the Division of European History, (2) the Division of American History, and (3) the Division of Government.

4. Having chosen his "Division of Specialization," the student must take at least five out of his eight courses from that division, but this number may be reduced to four in the case of students who may be credited as stated above with History 41-42, History 44-45-46, History 47-48-49, and with Government 51 or Government 21-22-23. The remaining courses of his major he may elect from the other two divisions.

5. The credit allowed for reading for honors may be applied to the fulfillment of the requirements for the major.

54. THE ROMAN EMPIRE. (5).

The history of Rome from Augustus to Constantine; the organization and administration of the Roman Empire; social, economic, and religious conditions and developments; the decline of ancient culture, and the rise of Christianity. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Caldwell.

64. EARLY MEDIEVAL EUROPE: THE "DARK" AGES, (300-1000). (5).

The evolution of medieval civilization from declining Rome, victorious Christianity, and migrating Germanic peoples. The "Fall" of Rome; the continuance of East Roman civilization; the rise of monasticism, the papacy, and the Frankish Empire. Karl the Great; the disintegration of his empire; renewed invasions. Government, religion, and culture during the "Dark" Ages. *Five hours a week, fall quarter.* Professor MacKinney.

65. EUROPE IN THE CRUSADING AGE (1000-1300). (5).

The rise of national monarchies, of chivalry, of towns, and the Church; the expansion of Europe in the Crusades and the accompanying expansion of political, economic, religious, and cultural life; the struggle between Church and State; the rise of Universities; Romanesque and Gothic architecture; literature; the climax of medieval civilization in the XII and XIII Centuries. *Five hours a week, winter quarter.* Professor MacKinney.

66. THE AGE OF THE RENAISSANCE (1250-1550). (5).

The evolution of modern civilization in Italy and the transalpine countries; the blending of medieval and classical elements; the political and economic background; the rise of national states and vernacular literatures; the arts; literature; humanism; education; discovery and invention. *Five hours a week, spring quarter.* Professor MacKinney.

85. ECONOMIC HISTORY OF THE NINETEENTH CENTURY. (5).
Open only to students in the School of Engineering.

A course dealing with the economic materials, institutions, and influences in the history of the modern world, with special emphasis on European nations and the United States. *Five hours a week, spring quarter.* Professor Garrett.

91. THE UNITED STATES AND LATIN AMERICA. (5).

A course concerned with the diplomatic relations developed between the states of the Western Hemisphere from 1810 to the present. The chief interest will be in the relations of the United States and the Latin American countries. In the course such topics will be treated as the problems of recognition, the Monroe Doctrine, expansion, intervention, "headship" of the United States, Pan-Americanism, arbitration, trade and cultural relations. Lectures, readings, and reports. *Five hours a week, spring quarter.* Professor Robson.

Courses for Graduates and Advanced Undergraduates

101. PERIOD STUDIES IN GREEK HISTORY. (5).

This course will be devoted to an intensive study of the sources, literature and historical problems of a selected period of Greek History. In 1936 attention will be directed to the history of the Greek World during the Fifth Century B. C. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Caldwell.

102. PERIOD STUDIES IN ROMAN HISTORY. (5).

A course in a selected period of Roman History, given for the same class of students and under the same conditions as History 101. The period to be treated in 1937 will be the Age of Augustus. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Caldwell.

121. MEDIEVAL CIVILIZATION. (5).

An intensive study of the classical cultural heritage of the Middle Ages; medieval "revivals" of learning during the eras of Theodoric the "Civilizer," Charlemagne, Alfred, Otto I, and the eleventh-twelfth centuries; the problem of the cultural "Dark Age" and "Renaissance"; the evolution of medieval culture; ecclesiastical and secular architecture; sculpture and painting; the literature of the clergy, nobility, and common folk; historical writing, science, philosophy; the development of schools and universities; music. Lectures, library reading, and reports. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor MacKinney.

122. SOCIAL-ECONOMIC HISTORY OF THE MIDDLE AGES. (5).

An intensive study of the social and economic life of the medieval clergy, nobility, city folk, and peasantry; agricultural life and the development of the manorial system; industrial life and the rise of craft guilds; local and distant commerce; fairs, trade-routes, and the development of business technique; merchant guilds and leagues; the influence on social-economic life of the decline of Rome, the coming of the Teutons, the Church, the Crusades, and voyages of discovery. Lectures, library reading, and reports. (1937 and alternate years.) *Five hours a week, winter quarter.* Professor MacKinney.

131. THE PROTESTANT REVOLT. (5).

An intensive study of religious, political, intellectual, and economic conditions on the eve of the Protestant Revolt, of the movements led by Luther, Zwingli, Calvin, Knox, and Henry VIII, and of the Catholic Reformation. *Five hours a week, spring quarter.* Professor Garrett.

132. THE RISE OF ABSOLUTISM IN EUROPE. (5).

A detailed study of the Thirty Years War, France under Henry IV, Richelieu, Mazarin, and Louis XIV, the rise of Prussia, Sweden from Gustavus Adolphus to the death of Charles XIII, the decline of Poland and Turkey, and the development of Russia to the death of Peter the Great. *Five hours a week, winter quarter.* Professor Garrett.

133. THE FRENCH REVOLUTION. (5).

An intensive study of the causes, events, and results of the French Revolution. *Five hours a week, fall quarter.* Professor Garrett.

134. THE NAPOLEONIC PERIOD. (5).

A detailed study of the chief events and movements of the Napoleonic period. Particular attention will be paid to the immediate effects of the period on the states surrounding France and to the permanent results of the period in Europe. *Five hours a week, winter quarter.* Professor Garrett.

135. RISE OF DEMOCRACY AND NATIONALISM IN MODERN EUROPE. (5).

An intensive study of the period of restoration and reaction, the revolutions of 1830 and 1848, the rise of socialism, the unification of Italy and of Germany, France under Louis Phillippe, the Second French Republic, and Napoleon III. *Five hours a week, spring quarter.* Professor Garrett.

136. RECENT AND CONTEMPORARY EUROPEAN HISTORY. (5).

A study of the recent history of France, Germany, Italy, Austria-Hungary, and Russia, the causes of the Great War, the chief events of the war, the treaties of peace, the attempts to organize the world after the war, and recent movements in Europe. (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Garrett.

137. ENGLAND IN THE NINETEENTH CENTURY. (5).

The purpose of this course is to effect an intensive treatment of a relatively short period of English history, that from 1815 to 1915. The course will

develop England's national and imperial story, her international relations, and her contributions to the history of the age. Lectures and readings. *Five hours a week, spring quarter.* Professor Wagstaff.

149. THE AMERICAN COLONIES, 1606-1689. (5).

A general survey of the European background of American society and institutions and the rival territorial claims of the colonizing nations, followed by an intensive study of the influences and motives behind English colonization in America, the founding of England's continental colonies, their political, social, and economic development, and their relations to each other and to the British Empire as a whole. Lectures, readings, and reports. *Five hours a week, fall quarter.* Visiting Professor Lefler (1934).

150. THE AMERICAN COLONIES, 1689-1783. (5).

A general survey of the colonies as a whole at the opening of the eighteenth century, followed by an intensive study of their social, economic, and political development, immigration, conquest, and westward expansion; their imperial relations and part in international rivalries; constitutional controversies and development of colonial self-government; intercolonial relations, revolution and independence; Federal relations and the formation of the American Union. Lectures, readings, and reports. *Five hours a week, winter quarter.* Visiting Professor Lefler (1935).

151. POLITICAL HISTORY OF THE FEDERAL PERIOD (1783-1815). (5).

An intensive study is made of the government under the Articles of Confederation, the formation and adoption of the Federal Constitution, the launching of the government, Jeffersonian democracy, the westward movement, and the Second War for Independence. Lectures, readings, and reports. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Crittenden.

152. THE ANTE-BELLUM PERIOD (1815-1860). (5).

A political study of the period—the westward movement, states' rights philosophy, Jacksonian democracy, development of Nationalism, controversy over negro slavery, the rise of Southern Rights, and the causes of the war for Southern Independence. Lectures, readings, and reports. (1935 and alternate years.) *Five hours a week, fall quarter.* Professor Crittenden.

153. SECESSION AND CIVIL WAR. (5).

Beginning with a rapid survey of the states' rights theory and of the secession movement before 1860, the course deals with the important constitutional, political, and economic aspects of the Civil War in the United States. Lectures, readings, and reports. (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Hamilton.

154. THE RECONSTRUCTION PERIOD. (5).

A course dealing with the constitutional, political, social, and economic aspects of the period from the close of the Civil War in 1865 to the restoration of home rule in the South in 1877. Lectures, readings, and reports. (1936 and alternate years.) *Five hours a week, winter quarter.* Professor Hamilton.

155. RECENT AMERICAN HISTORY, 1876-1898. (5).

In this course emphasis will be placed upon the influence of the Civil War and Reconstruction upon subsequent American history; the war amendments in theory and practice; business and politics; the Granger movement; the currency question; the tariff legislation; the trust problem; foreign relations; the Spanish-American War and its results; party politics; political dissent; and interpretation of democracy. Lectures, textbooks, and readings. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Pierson.

156. RECENT AMERICAN HISTORY, 1898-1920. (5).

Continuation of History 155. A course dealing with the political, economic, social, and diplomatic history of the United States from 1898 to 1920. Conservatism, moderation, and radicalism in politics and economics; social legislation; American imperialism and increased participation in international relations; the World War; and the problems of peace. Lectures, textbooks, and readings. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Pierson.

161. NORTH CAROLINA, 1663-1789. (5).

General survey of the settlement of North Carolina and its territorial expansion; the origin and development of its political institutions; the influences affecting its growth and development; immigration and the development of social and economic life; political and constitutional controversies; inter-colonial and imperial relations; revolution and independence; the adoption of a constitution and organization of the state government; Federal relations and formation of the Federal Union. Lectures, readings, and reports. *Five hours a week, fall quarter.* Visiting Professor Boyd (1934).

162. NORTH CAROLINA, 1789-1900. (5).

General survey of conditions at the close of the 18th century; origin and development of political parties; sectional controversies; political and constitutional development; education, internal improvements, and railroads; Federal relations; the slavery controversy; secession, civil war, and reconstruction; restoration of home rule; the rise of populism; the era of fusion; "white supremacy"; recent political, educational, and industrial development. Lectures, readings, and reports. *Five hours a week, winter quarter.* Professor

163. THE SOUTH, 1789-1860. (5).

A course dealing with the Southern States in the period preceding the Civil War, in which emphasis will be laid upon social, economic, and political organization and movements. Lectures, readings, and reports. (1936 and alternate years.) *Five hours a week, winter quarter.* Professor Hamilton.

164. THE SOUTH, 1877-1925. (5).

A course which deals with the economic, social, and political development of the Southern States since the close of Reconstruction. Emphasis will be laid upon the rise of industry in the South and its results. Lectures, readings, and reports. (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Hamilton.

167. ECONOMIC HISTORY OF THE UNITED STATES, 1783-1860. (5).

A study of agriculture, transportation, commerce, manufacturing, and similar aspects of American history, 1783-1860. The influence of economic factors upon social and political life will be discussed. Lectures, readings, and reports. (1935 and alternate years.) *Five hours a week, spring quarter.* Professor Crittenden.

168. ECONOMIC HISTORY OF THE UNITED STATES, 1860-1925. (5).

A particular effort will be made to show the effects upon American life of the great economic revolution which has occurred since the Civil War. Lectures, readings, and reports. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Crittenden.

170. SOCIAL AND EDUCATIONAL HISTORY OF THE UNITED STATES. (Education 143.) (5).

The social and educational institutions and practices of the United States are traced through: (a) The period of transplanting of European institutions; (b) the period of modifications of institutional life to meet new conditions; and (c) the period of development of a social and an educational system of

free common schools, high schools, and higher and technical education in harmony with the political and social ideals and institutions of America. Text-book, lectures, investigations, and reports. *Five hours a week, fall or spring quarter.* Professor Knight.

Courses for Graduates

201ab. HISTORIOGRAPHY, (6).

Lectures, conferences, readings, and reports. The first quarter will be concerned with methods of research, schools of interpretation, and the interrelation of history with the other social sciences. The second quarter will be a seminar in the history and bibliography of history. Required of all graduate students in history and government. *Three hours a week, fall and winter quarters.* Professor Caldwell.

211. THE ENGLISH BACKGROUND OF THE AMERICAN REVOLUTION. (5).

A survey of England's eighteenth century political, social, and economic conditions and their relations to the American Revolution. Lectures and reports. *Five hours a week, fall quarter.* Professor Wagstaff.

220. PRELIMINARIES OF THE AMERICAN REVOLUTION. (5).

A study of the background and causes of the American Revolution. Lectures and reports. (1935 and alternate years.) *Five hours a week, spring quarter.* Professor _____.

221. THE WAR OF AMERICAN INDEPENDENCE. (5).

A study of its political, social, and economic aspects. Lectures, readings, and reports. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor _____.

271. HISPANIC-AMERICAN HISTORY: The Colonial Period and the Wars of Independence. (5).

In this course a general survey will be made of Spanish and Portuguese America from the establishment of colonial settlements through the wars of independence. A study of the transplantation of Hispanic civilization in language, customs, religion, trade, and political institutions; Indian relations; labor and social conditions; education and industry; the causes and events of the struggles for independence. Lectures and readings. (1935 and alternate years.) *Five hours a week, fall quarter.* Professor Pierson.

272. HISPANIC-AMERICAN HISTORY: Development of Nationality in South America. (5).

The modern history of Argentina, Brazil, Chile, Uruguay, Paraguay, Peru, Bolivia, and Ecuador. Attention will be directed to the establishment of these republics, the evolution of their political theory; the struggle for political stability, the exploitation of resources, the diplomatic and commercial relations with the United States and Europe, the international problems of South America, the contemporary progress in politics and society. Lectures and readings. (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Pierson.

273. HISPANIC-AMERICAN HISTORY: Hispanic North America and the Caribbean Countries. (5).

Emphasis in this course will be placed upon the same general factors as in History 272. The diplomatic and commercial relations of the United States and Mexico, the insular republics, the Central American countries, and Colombia, Panama, and Venezuela will receive special attention. Lectures and readings. (1936 and alternate years.) *Five hours a week, winter quarter.* Professor Pierson.

301abc. ANCIENT HISTORY. (9).

A seminar in some phase of ancient history. *Conference, one hour a week, Fall, winter, and spring quarters.* Professor Caldwell.

311abc. MEDIEVAL HISTORY. (9).

A seminar in some phase of the medieval social history. *Conference, one hour a week, fall, winter, and spring quarters.* Professor MacKinney.

321abc. MODERN EUROPEAN HISTORY. (9).

A seminar in some phase of the Napoleonic period. *Conference, one hour a week, fall, winter, and spring quarters.* Professor Garrett.

323abc. ENGLISH HISTORY. (9).

A seminar in some selected phase. *Conference and reports, one hour a week, fall, winter, and spring quarters.* Professor Wagstaff.

333abc. HISTORY OF THE UNITED STATES, 1783-1860. (9).

A seminar in some phase of the history of the United States, 1783-1860. *Conference, one hour a week, fall, winter, and spring quarters.* Professor Crittenden.

341. SEMINAR COURSE. (5).

A research course in a special field under the direction of a member of the department.

370abc. HISPANIC-AMERICAN HISTORY. (9).

A seminar in some selected phase. *Conference and reports, one hour a week, fall, winter, and spring quarters.* Professor Pierson.

GOVERNMENT*Courses for Undergraduates**

31-32-33. THE ELEMENTS OF GOVERNMENT. (9).

A basic course in political science dealing with the background, structure, principles and problems of government in the United States, with comparative reference to other governments. Textbooks, readings, lectures, and conferences. Sophomore elective. *Three hours a week, through the year.* Professors Frazer, Jenkins, Robson.

51 (21). THE GOVERNMENT OF THE UNITED STATES. (5).

A general course dealing with the national government of the United States. Attention will be directed to the constitutional basis, the historical development, and the practical organization and operation of the institutions established for administering national affairs. Textbooks, lectures, discussions, and readings. Sophomore elective. *Five hours a week, each quarter.* Professor Jenkins.

Courses for Graduates and Advanced Undergraduates

121. THE GOVERNMENT OF ENGLAND. (5).

The objective in this course is a knowledge of the development and operation of the English government. Local, national, and imperial aspects of England's governmental practice will receive attention. Resemblances and contrasts between her government and that of our own country will be pointed out for the practical lessons which the parallel supplies. Lectures and readings. *Five hours a week, spring quarter.* Professor Wagstaff.

* For the regulations governing the undergraduate major in Government see page 130, footnote.

122. GOVERNMENT AND ADMINISTRATION OF EUROPEAN CITIES. (5).

A general consideration of principles and methods of social control in the municipalities of Great Britain, France, and Germany, with some attention to those of other nations. Comparisons with American conditions. *Five hours a week, spring quarter.* Professor Woodhouse.

131. AMERICAN STATE GOVERNMENT. (5).

A study in the principles, organization, and administrative methods of state government. In connection with the course will be a special study of the government of North Carolina. Lectures, readings, and reports. *Five hours a week, fall or spring quarter.* Professor Jenkins.

132. AMERICAN MUNICIPAL GOVERNMENT. (5).

An historical survey of the development of governmental structure, theory, and functions in American municipalities, and careful analysis of existing municipal conditions, with special attention to city and town government in North Carolina. Each student will make an intensive study of his own or of some other city or town. *Five hours a week, fall quarter.* Professor Woodhouse.

133. AMERICAN MUNICIPAL ADMINISTRATION. (5).

Special study of the principles and problems of administration in American municipal corporations, of such functions as police, public education, charities and correction, local improvements, public health, finances, with emphasis on city and town administration in North Carolina. Each student will select and study exhaustively a municipal problem in one municipality. *Five hours a week, fall quarter.* Professor Woodhouse.

134. COUNTY GOVERNMENT AND ADMINISTRATION. (Same as Rural Economics 134.) (5).

A study of the forms of organization, the functions, and the operation of County Government in the United States and especially in North Carolina in their historical development, but with special emphasis on present conditions and tendencies and on possible improvements. Each student will be required to study, as extensively and as intensively as possible, the government and administration of one county, preferably his home county, and to put his results into essay form. Textbooks, lectures, and readings. *Five hours a week, winter quarter.* Professor Wager.

141. INTERNATIONAL LAW. (5).

A study will be made of the rules observed by the states of the world concerning their relations in peace and in war. Lectures and the preparation of typical cases by the students. *Five hours a week, fall quarter.* Professor Frazer.

142. INTERNATIONAL RELATIONS. (5).

The problems of nationalism and internationalism, of imperialism, and the settlement of international conflicts will be considered in this course. It is designed to introduce the student to the basic facts of world politics. Lectures, readings, and reports. *Five hours a week, winter quarter.* Professor Frazer.

143. AMERICAN DIPLOMACY. (5).

This course will be concerned with a survey of the diplomatic relations of the United States from the period of the American Revolution to the World War. Particular attention will be directed to the development of American foreign policies and American contributions to International Public Law. Lectures and reports. *Five hours a week, spring quarter.* Professor Frazer.

151. THE ELEMENTS OF POLITICAL SCIENCE. (5).

A general course in which a study is made of the principles of political science and of the important theories respecting the nature, origin, forms, and ends of the state and of government. An examination of the literature of the

subject will be made, supplemented by students' reports on selected political theorists. Lectures, textbooks, and readings. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Pierson.

153. POLITICAL THOUGHT OF THE EIGHTEENTH CENTURY. (5).

An analysis of political thought and philosophy, 1750-1800. Emphasis will be placed on the study of the philosophical ideas of the American and French Revolutions. Lectures and reports. *Five hours a week, fall quarter.* Professor Robson.

154. DEVELOPMENT OF THE ENGLISH CONSTITUTION. (5).

A general course surveying the origin and development of the constitutional machinery of the British monarchy. Emphasis will be laid on the successive constitutional landmarks from the Norman Conquest to the Parliament Act of 1911. Lectures, textbooks, and readings. *Five hours a week, winter quarter.* Professor Wagstaff.

155. THE CONSTITUTION OF THE UNITED STATES. (5).

An elementary course in constitutional law covering by means of lectures, textbooks, and cases the fundamental principles of constitutional interpretation and practice in the United States. *Five hours a week, winter quarter.* Professor Jenkins.

156. CONTEMPORARY PROBLEMS IN GOVERNMENT. (5).

A study of the present organizations and actual operations of our national and state governments through the day to day acts of their departments as reported in the *United States Daily*, other newspapers, periodicals, and available official reports. Lectures, readings, and reports. *Five hours a week, winter quarter.* Professor Woodhouse.

157. HISTORICAL JURISPRUDENCE. (5).

Ancient and mediaeval law; brief study of Egyptian, Babylonian, Greek, and Hebrew law, chiefly in their methods and agencies of formulation and administration; detailed study of the historical evolution of Roman law, of its fate during the Middle Ages, and of its spread and influence in the Modern World; some consideration of the parts played in medieval Europe by the Germanic, Slavonian, and Celtic legal systems. *Five hours a week, winter quarter.* Professor Woodhouse.

158. HISTORICAL JURISPRUDENCE. (5).

Anglo-American law; historical study of the development of English law, legislation, courts, and court procedure from the Anglo-Saxon Conquest of England to the settlements in North America by the English; and of the evolution of the legal system in these English colonies and in the United States to the present day. *Five hours a week, spring quarter.* Professor Woodhouse.

Courses Primarily for Graduates

301abc. MODERN INTERNATIONAL RELATIONS. (9).

Seminar. An analysis will be made of the major problems of international relations. Emphasis will be placed upon the elements of nationalism and internationalism, imperialism, and the settlement of international disputes. *Conferences, two hours a week, fall, winter, and spring quarters.* Professor Frazer.

305. SEMINAR IN COUNTY ADMINISTRATION. (Same as Rural Social Economics 305.) (5). Prerequisite, Government 134, or two other courses in Government.

Research, reading, and conferences on special phases of county organization and administration. *Five hours a week, fall, winter, or spring quarter.* Professor Wager.

311abc. AMERICAN POLITICAL THEORY. (10).

A seminar course respecting the political philosophy that has been developed in the United States. In the fall quarter the political theory of the colonial period and the American Revolution will be studied; in the winter quarter attention will be given to the theories associated with the formation of the Constitution and its early interpretation, the nature of the Union, and the slavery dispute; in the spring quarter the political theory of the Civil War and the contemporary United States will be considered. Lectures, readings, and reports. *Conferences, two hours a week, fall, winter, and spring quarters.* Professor Pierson.

321abc. STATE AND LOCAL GOVERNMENT. (9).

Seminar course respecting the various functions, organs, and problems of public administration in the States and in their sub-divisions. Comparison of various attempts to reorganize the state administrative systems. *Conferences, two hours a week, fall, winter, and spring quarters.* Professor Woodhouse.

341. SEMINAR COURSE. (5).

A research course in a special field under the direction of a member of the department.

DEPARTMENT OF JOURNALISM**PROFESSOR COFFIN****30. COLLEGE REPORTING. (3 or 5).**

A course with a maximum credit of five quarter-hours for reporting done on the student daily under the supervision of the Department of Journalism.

31. COLLEGE EDITING. (3 or 5).

A similar credit course for those who do the editorial work of the student newspaper.

53. NEWS WRITING. (5).

A course in elementary news writing devoted to practical work in the classroom. Prerequisite for Journalism 54. *Five hours a week, fall quarter. Laboratory fee, \$2.00.* Professor Coffin.

54. NEWS WRITING. (5). Prerequisite, Journalism 53 or the equivalent.

A continuation of the work in Journalism 53, with the addition of some copy-reading. Prerequisite for Journalism 55. *Five hours a week, winter quarter. Laboratory fee, \$2.00.* Professor Coffin.

55. NEWS WRITING. (5). Prerequisite, Journalism 53 and 54.

A continuation of Journalism 54, with more emphasis on assignments. *Five hours a week, spring quarter. Laboratory fee, \$2.00.* Professor Coffin.

56ab. FEATURE WRITING. (3 each quarter).

A course for advanced students in the production of feature stories and feature articles, with a view to making them marketable. Either half may be taken independently. *Three hours a week, winter and spring quarters.* Professor Coffin.

57. NEWS METHODS AND TREATMENTS. (3).

A study of contemporary newspapers and of prevailing methods of handling news. Desk work. *Three hours a week, fall quarter. Laboratory fee, \$2.00.* Professor Coffin.

58. EDITORIAL WRITING. (3).

Comparative examination of policies and relations. Editorial writing. *Three hours a week, spring quarter.* Professor Coffin.

59. WEEKLY NEWSPAPER EDITING. (3).

A study of the functions of the weekly newspaper, with practical instruction in meeting the problems of the neighborhood news medium. *Three hours a week, winter or spring quarter.* Professor Coffin.

DEPARTMENT OF LIBRARY SCIENCE

Professors AKERS, DOWNS; Assistant Professors BEUST, KELLING.

Courses for Undergraduates

Courses 61, 111, 121, 151 may be taken by Liberal Arts students of senior standing with the approval of the director of the School of Library Science. Course 152 is open to students in the School of Commerce with the approval of its Administrative Board and of the Director of the School of Library Science.

For full descriptions of the courses listed below see under The School of Library Science in PART FIVE.

61. THE USE OF BOOKS AND LIBRARIES. (5).

Five hours a week, winter quarter. Professor Downs.

111. REFERENCE AND BIBLIOGRAPHY. (5).

Five hours a week, fall quarter. Professor Kelling.

121. PRINCIPLES OF BOOK SELECTION. (5).

Five hours a week, fall quarter. Professor Beust.

151. HISTORY OF BOOKS AND LIBRARIES. (5).

Five hours a week, spring quarter. Professor Downs.

152. THE CARE AND USE OF LIBRARY MATERIALS. (3).

Three hours a week, spring quarter. Professor Akers.

DEPARTMENT OF MATHEMATICS

Professors HENDERSON, LASLEY, HOBBS, BROWNE, MACKIE; Associate Professors WINSOR, LINKER, HILL; Assistant Professors HOYLE, GARNER; Instructors CAMERON, GARRETT, NAHIKIAN; Teaching Fellows TORIAN, WILLIAMS.

Courses for Undergraduates

1-2-3. INTRODUCTORY MATHEMATICS. (9). Required of Freshmen.

A systematic development of the notion of functions. First the algebraic functions, including the linear function, the quadratic function, and functions of higher degree, an account of associated equations and geometric loci, the rate of change of a function, functions changing at a given rate. Then transcendental functions, including the logarithmic and exponential functions with their rates of change and associated problems. Finally the trigonometric functions and their application to the solution of triangles. *Three hours a week, for the year.* Professors Lasley, Browne, Mackie, Linker, Hill, Hoyle; Messrs. Cameron, Garrett.

1C-2C-3C. FIRST YEAR MATHEMATICS. (9). Required of Freshmen in the Division of Commerce.

An elementary study of algebra and trigonometry, including algebraic and trigonometric functions, solution of right triangles by natural functions, graphs, factoring, fractions, ratio, proportion, variation, and the binomial theorem, linear functions, quadratic functions, functions of higher degree, ex-

ponents, radicals, logarithms, and the solution of right triangles by logarithms, functions of multiple angles, and the solution of oblique triangles by means of the Sine and Cosine laws; progressions, interest and discount, annuities and their application to the extinction of interest bearing debts, depreciation, Building and Loan Associations, evaluation and redemption of bonds, probability, mortality tables, life annuities, life insurance, and insurance reverses. *Three hours a week for the year.* Professors Lasley, Browne, Mackie, Linker, Hill, Hoyle; Messrs. Cameron, Garrett.

1E-2E-3E. FIRST YEAR MATHEMATICS. (18). Required of Freshmen in the School of Engineering.

An elementary treatment of algebra and trigonometry, including trigonometric functions, solution of right triangles, graphical representation of algebraic and trigonometric functions, factoring, fractions, ratio, proportion, and variation, binomial theorem, linear equations, quadratic equations, simultaneous equations, exponents, logarithms, logarithmic solution of plane and spherical triangles, complex numbers, progressions, interest, discount, annuities, and bonds. The analytic geometry of the straight line, circle, conic sections, special plane curves, transformation of coordinates. *Six hours a week for the year.* Professors Hobbs, Winsor, Linker, Hill, Garner.

1P. FIRST YEAR MATHEMATICS. (5). Required of Freshmen in the School of Pharmacy.

Selected topics. Elementary notions, functions, graphs, factoring, fractions, ratio, proportion, variation, binomial theorem, linear equations, quadratic equations, exponents, radicals, logarithms, progressions, permutations, combinations. *Five hours a week, fall quarter.* Professor Mackie.

11-12-13. SECOND YEAR MATHEMATICS. (9). Prerequisite, Mathematics 1-2-3 or equivalent.

The fundamentals of the analytic geometry of the straight line and the conic sections, transformation of coordinates, problems in loci. The differentiation process and its applications to geometry, physics, and mechanics, curvature of plane curves. The definite integral and its application to problems arising in geometry and the physical sciences, including length of arc, areas, volumes, moment of inertia, etc. Sophomore elective. *Three hours a week for the year.* Professors Mackie, Hoyle.

23-24-25. SECOND YEAR MATHEMATICS. Intensive course. (15). Prerequisite, Mathematics 1-2-3 or equivalent.

A course designed primarily for students in the Division of Natural Science who are majoring in mathematics and who therefore want a more intensive course in the principles and methods of analytic geometry and the calculus. The concepts of the straight line and the conic sections and certain special plane curves are considered with especial consideration of the problems of loci. The fundamental concepts of both the differential and the integral calculus are developed with application of a somewhat extended nature to situations in geometry, physics, and mechanics. These courses, though consecutive, may be taken separately in the order named for credit. Sophomore elective. *Five hours a week for the year.* Professors Hill, Garner.

24E-25E-26E. SECOND YEAR MATHEMATICS FOR ENGINEERING STUDENTS. (15). Intensive course. Required of Sophomores in the School of Engineering. Prerequisite, Mathematics 1E-2E-3E.

A study of the derivative and its applications to geometry and mechanics, expansion of functions, partial differentiation, a detailed consideration of the definite integral and its applications, engineering problems involving the calculus, an elementary treatment of differential equations. *Five hours a week for the year.* Professors Winsor, Linker, Hill.

Courses for Graduates and Advanced Undergraduates

103. INTRODUCTION TO HIGHER GEOMETRY. (5). Prerequisite, Mathematics 25.

This is a teacher's course for graduate credit, especially devised for teachers who are candidates for the A.M. degree. The course deals with the properties of the triangle and circle from the modern point of view, poles and polars, harmonic division, transformation by reciprocal radii, Brocard points and circles, etc. *Five hours a week, fall or spring quarter.* Professor Winsor.

104. INTRODUCTION TO ADVANCED ALGEBRA. (5). Prerequisite, Mathematics 25.

This course supplements Mathematics 103. It is designed especially for teachers, and serves to bridge the gap between elementary algebra and Mathematics 246. Selected topics in advanced algebra, including such subjects as linear and quadratic forms, limits and series, complex numbers, elementary groups, etc. *Five hours a week, winter quarter.* Professor Winsor.

111. ELEMENTARY MATHEMATICAL STATISTICS. (5). Prerequisite, Mathematics 25 or equivalent.

A course dealing with the elementary theory and applications of mathematical statistics, treating in detail the following topics: graphs, averages, dispersion, skewness, sampling, probable error, frequency curves and correlation. The course is designed to serve as a background for students dealing with statistical and observational data. *Five hours a week, spring quarter.* Professor Hill.

121. THEORETICAL MECHANICS. (5).

An introductory course in mechanics employing the methods of the calculus. *Five hours a week, spring quarter.* Professor Linker.

131. THEORY OF EQUATIONS. (5). Prerequisite, Mathematics 25.

Indispensable for students intending to prosecute studies in the higher branches of pure mathematics. Such subjects as the solution of equations of higher degree, transformations, determinants, elimination, invariants and covariants, and symmetric functions are treated in detail. The student is afforded a survey of the general problem and the basic principles of the formation, handling, and evolution of equations. *Five hours a week, winter quarter.* Professor Browne.

141. DIFFERENTIAL EQUATIONS. (5). Prerequisite, Mathematics 24 and 25, or 24E and 25E.

This is a course both for students intending to specialize in mathematics and for students in advanced engineering, civil, electrical, and chemical. Among the subjects treated are singular solutions, applications to mechanics, geometry, and physics, linear equations with both constant and variable coefficients, equations involving more than two variables, partial differential equations, and spatial forms. *Five hours a week, fall quarter.* Professor Linker.

151. PROJECTIVE HOMOGENEOUS COÖRDINATES AND THEIR APPLICATIONS. (5). Prerequisite, Mathematics 25.

A study of the general homogeneous coördinates of forms of one, two, three, and four dimensions; cross ratio and its properties; ideal elements; duality; projective correspondence; transformation of coördinates; the elements of line geometry. *Five hours a week, fall quarter.* Professor Lasley.

152. ANALYTIC PROJECTIVE GEOMETRY. (5). Prerequisite, Mathematics 151.

The projective theory of binary forms; the conic as a rational curve; the conic as a ternary form; the conic from the viewpoint of the theory of correlations; functional determinants and invariants; selected topics from higher geometry. *Five hours a week, winter quarter.* Professor Lasley.

161. ANALYTIC GEOMETRY OF SPACE. (5). Prerequisite, Mathematics 25.

Spatial relations are treated from the analytic standpoint. Deals with quadric surfaces, envelopes, foci, quadriplanar and tetrahedral coördinates, developable surfaces, curves in space, curvature of surfaces, higher surfaces, etc. *Five hours a week, spring quarter.* Professor Henderson.

171. ADVANCED CALCULUS. (5). Prerequisite, Mathematics 25.

This course completes and rounds out the subject as given in Mathematics 25. Stress upon rigor in demonstration. Designed to meet the particular needs of the class, e.g., problem course on study of special functions. Thorough knowledge of calculus is the aim of the course. *Five hours a week, spring quarter.* Professor Mackie.

Courses Primarily for Graduates

206. THEORY OF FUNCTIONS OF A COMPLEX VARIABLE. (5). Prerequisite, Mathematics 131, 141, and 171.

Complex numbers, differentiation and integration, conformal mapping, linear fractional transformations, single and multiple valued functions. *Five hours a week, winter quarter.* Professor Henderson.

211. VECTOR ANALYSIS. (5). Prerequisite, Mathematics 121, 141, and 161, or equivalent.

A study of Vector Analysis with applications to mechanics, physics, and geometry. (1936 and alternate years.) *Five hours a week, winter quarter.* Professor Hobbs.

216. DYNAMICS. (5). Prerequisite, Mathematics 211.

Differential equations of motion, equations of orbits, D'Alembert's principle, motion of a rigid body. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Hobbs.

221. PARTIAL DIFFERENTIAL EQUATIONS. (5). Prerequisite, Mathematics 141.

An elementary treatment of partial differential equations with special emphasis upon applications. *Five hours a week, fall quarter.* Professor Hobbs.

226. FOUNDATIONS OF GEOMETRY. (5). Prerequisite, Mathematics 151.

A course designed to meet the needs of students experienced in mathematical thinking. A survey of the contributions of Pasch, Peano, Hilbert, and their school to our knowledge of the foundations of geometry; a study of the axioms, of systems of geometry, etc. *Five hours a week, winter quarter.* Professor Henderson.

231. THEORY OF NUMBERS. (5). Prerequisite, Mathematics 131.

An elementary course in the study of the properties of the rational integers, including the study of the question of divisibility, greatest common divisor of two or more integers, solution of simple congruences, quadratic residues, quadratic reciprocity law, representation of integers by quadratic forms, equivalence of quadratic forms, etc. *Five hours a week, winter quarter.* Professor Browne.

236. HIGHER PLANE CURVES. (5). Prerequisite, Mathematics 152.

A course dealing with plane curves, particularly conics, cubics, and quartics; polarity, Plücker formulas, curves of Hesse, Steiner, and Cayley; classification of cubics, intersections of curves, singularities of curves, unicursal curves. *Five hours a week, spring quarter.* Professor Lasley.

241. LIE THEORY OF DIFFERENTIAL EQUATIONS. (5). Prerequisite, Mathematics 141.

A study of differential equations from the point of view of continuous groups. *Five hours a week, spring quarter.* Professor Hobbs.

246. MODERN HIGHER ALGEBRA. (5). Prerequisite, Mathematics 131.

Polynomials and their fundamental properties, determinants, theory of linear dependence, linear equations, matrices, invariants, bilinear and quadratic forms. (1935 and alternate years.) *Five hours a week, fall quarter.* Professor Browne.

251. ELEMENTS OF NON-EUCLIDEAN GEOMETRY. (5). Prerequisite, Mathematics 151.

The subject is treated chronologically. The contributions of Saccheri, Bolyai, Lobachewsky, Riemann, Cayley, Klein are studied, analyzed, and compared. *Five hours a week, winter quarter.* Professor Henderson.

256. ALGEBRAIC INVARIANTS. (5). Prerequisite, Mathematics 131 and 152.

An introduction to the non-symbolic theory of invariants of binary forms with applications to geometry, followed by an explanation of the symbolic notation of Clebsch with practice in its use. Based on Dickson's *Algebraic Invariants*. *Five hours a week, winter quarter.* Professor Browne.

261. DIFFERENTIAL GEOMETRY. (5). Prerequisite, Mathematics 141 and 152.

A study of the metric differential geometry of curves, surfaces, and curves on surfaces, systems of curves defined by differential equations, surfaces given by two quadratic differential forms. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Lasley.

266. THEORY OF FUNCTIONS OF A REAL VARIABLE. (5). Prerequisite, Mathematics 131 and 171.

The real number system from the standpoints of Cantor and Dedekind, elementary theory of point sets, limits, series, implicit functions, Riemann and Lebesgue integrals. (1935 and alternate years.) *Five hours a week, fall quarter.* Professor Mackie.

271. INTRODUCTION TO THE THEORY OF RELATIVITY. (5). Prerequisite, Mathematics 121 and 141.

In this course the essential features of the special and general relativity theories of Einstein are set forth from the mathematical point of view. Particular study is made of the Lorentz transformation and of the three crucial tests of the theory. *Five hours a week, fall quarter.* Professor Henderson.

272. TENSOR ANALYSIS. (5). Prerequisite, Mathematics 141 and 271.

A study of transformations of coördinates and tensor invariants under such transformations. Especial attention is paid to the application of tensors to the study of differential geometry and relativity theory. *Five hours a week, winter quarter.* Professor Hoyle.

273. ADVANCED RELATIVITY THEORY. (5).

Restricted relativity, with applications to physical and electrical problems. General relativity and gravitation. Geodesics and curvature in space-time. Cosmological speculations as to a finite, unbounded universe, and also an expanding universe. Theories of Einstein, DeSitter, Eddington, and LeMaitre. *Five hours a week, spring quarter.* Professor Henderson.

281. CALCULUS OF VARIATIONS. (5). Prerequisite, Mathematics 266.

A study of various kinds of minimizing problems, determining functions which minimize certain definite integrals. Isoperimetric problems. Necessary conditions for an extreme as deduced by Euler, Weierstrass, Legendre, and Jacobi, and conditions sufficient to insure such an extreme. (1935 and alternate years.) *Five hours a week, fall quarter.* Professor Mackie.

286. PROJECTIVE DIFFERENTIAL GEOMETRY. (5). Prerequisite, Mathematics 152 and 261.

A study of the projective properties of curves and ruled surfaces by means of the invariants and covariants of systems of homogeneous differential equations. *Five hours a week, spring quarter.* Professor Lasley.

291. INTRODUCTION TO THE THEORY OF FINITE GROUPS. (5). Prerequisite, Mathematics 131.

Deals with the theory of substitutions in general, and as applied to the algebraic equation. Simple and compound groups, transitivity and primitivity. Cyclic and linear groups, linear fractional substitutions, etc. Numerous applications in algebra and geometry. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Henderson.

SEMINARS AND THESES. (5 each).

Reading and research in mathematics conducted by members of the department, as follows:

- 351. Thesis work and Seminar. Professor Henderson.
- 356. Thesis work and Seminar. Professor Lasley.
- 361. Thesis work and Seminar. Professor Hobbs.
- 366. Thesis work and Seminar. Professor Browne.
- 371. Thesis work and Seminar. Professor Winsor.
- 376. Thesis work and Seminar. Professor Mackie.

*DEPARTMENT OF MUSIC

Professor HAYDON; Associate Professor McCORKLE; Assistant Professors KENNEDY, SLOCUM; Instructor MILLER.

Courses for Undergraduates

4-5-6. NOTATION, SIGHT-SINGING, AND DICTATION. (9).

A course in the rudiments of musical symbols with practice in reading and writing scales, intervals, melodies, and elementary harmonic materials. No prerequisites or previous training are necessary for Music 4, but previous musical experience will obviously be of great value to the student. *One lecture and four laboratory hours a week.* Mr. Miller.

14-15-16. HARMONY. (9). Prerequisite or corequisite, 4-5-6.

By special permission 4-5-6 may be taken concurrently. *Three hours a week, fall, winter, and spring quarters.* Professor Haydon.

* The courses in Music are designed to perform a three-fold function in the University: (a) to give the student electing music as his chief interest a thorough training in the practical, theoretical, and historical aspects of the subject as a part of the general liberal arts curriculum for the A.B. degree; (b) to give the student interested in the scholarly aspects of the subject the basic training necessary for successful graduate work; (c) to afford students in other departments the opportunity to take music as an elective for its cultural value in the liberal arts program.

Course leading to the A.B. degree with Music as the Major. Students who take Music as the major must modify the regular program for the first two years in order to begin Music their first year. They will take Freshman English, a foreign language, two courses in Music (4-5-6 and 14-15-16), and either Mathematics or Latin or Greek, or the regular Freshman course in Social Science, or the regular Freshman course in Natural Science. Courses in the regular Freshman program postponed to make way for the Music must be taken at some later time. Similar arrangements must be made in the Sophomore year to provide for Music 24-25-26 and 44-45-46. See page 181 of this catalogue.

The undergraduate major in Music consists of from thirty-six to forty-five quarter hours beyond the Freshman-Sophomore requirements and must include Music 61-62-63, 74-75-76, and 101-102-103 or 124-125-126. Attention is called to the special requirements in applied music. See page 146.

24-25-26. HISTORY OF MUSIC. (9).

A course in the general history of music from primitive music to the present. Lectures, assigned readings, with musical illustrations. In exceptional cases students may enter the courses at the beginning of any quarter. *Three hours a week, fall, winter, and spring quarters.* Professor McCorkle.

44-45-46. ADVANCED HARMONY. (9). Prerequisites, Music 14-15-16.

Three hours a week, fall, winter, and spring quarters. Professor Kennedy.

54-55-56. MUSIC AS A LITERATURE. (9).

A course designed to direct the understanding, feeling, and taste of the music lover to the end of intelligent listening to music. A moderate degree of musical experience will be helpful but is not necessary. Intended for students whose major is not music. Will not be accepted as part of the major. *One lecture and four laboratory hours a week, fall, winter, and spring quarters.* Professor McCorkle.

61-62-63. MODAL COUNTERPOINT IN THE 16TH CENTURY STYLE. (9). Prerequisite, Music 14, 15, 16.

Study and practice of the contrapuntal technique of the 16th century; the writing of simple motets. *Three hours a week, fall, winter, and spring quarters.* Professor Kennedy.

71-72-73. INSTRUMENTATION AND ELEMENTARY ORCHESTRATION. (9).

A course in the study of the principles and practice of instrumentation for band and orchestra. Orchestra and band music will be heard, analyzed, and studied, and music will be arranged for orchestra and band. *Three hours a week, fall, winter, and spring quarters.* Professor Slocum.

74-75-76. ANALYSIS AND COMPOSITION IN THE SMALLER FORMS. (9).

Three hours a week, fall, winter, and spring quarters. Professor Slocum.

Applied Music

The following courses in applied music are open to students in any department of the University having the necessary technical equipment. The work in applied music is regarded not merely as technical training in performance, but also as a study of the standard literature for the particular instrument or ensemble group. Credit in general will be given on the basis of one quarter hour credit a year in the first and second years; two quarter hours credit a year in the third and fourth years. For those whose major is not music a total credit not to exceed ten quarter hours may be counted as electives in the A.B. curriculum. Those whose major is music must offer at least ten quarter hours in applied music and may offer a total not to exceed twenty-five quarter hours in this field, of which not more than ten may be in ensemble courses. All students with majors in music, unless given special permission by the Head of the Department, must continue individual instruction in applied music throughout the four years.

The general prerequisite for entrance into the first year courses is ability to perform music of difficulty rated as grade three for the particular instrument. Students who do not have this prerequisite will repeat the preparatory course without credit until they qualify for the freshman course. The candidate for the A.B. degree with a major in music must complete as a minimum the freshman course in his chosen field of applied music. Students electing some other instrument than piano for their work in applied music must demonstrate sufficient pianistic ability to enable them to meet the practical requirements of the course to be pursued. This is interpreted to mean the ability to play at sight hymns or compositions of similar difficulty.

Students seeking the A.B. degree with a major in music will be required to participate in the musical organizations of the department, and those in the advanced applied music course must take part in recitals as prescribed by the department.

NOTE: The following regulations govern individual instruction in Applied Music Courses A. B. C. D. and E. Fees for individual instruction are: \$18.00 a quarter for one lesson a week; \$36.00 a quarter for two lessons a week. Practice rooms and periods are assigned at the music department office. Fee for one hour daily practice period (room with piano), \$3.00 a quarter; fee for two hours daily practice, \$5.00 a quarter. Fee for six hours practice a week on Reuter four manual organ, \$15.00 a quarter. All fees for applied music and practice must be paid at the Business Office.

Individual Instruction

A. PREPARATORY ORGAN. No credit.

The aim of this course is to give the student the preliminary training on a keyboard instrument required for entrance into the course 1A. *One or two half hour lessons and six or twelve hours practice a week, every quarter.* Professor Kennedy.

1A-2A-3A. FIRST YEAR ORGAN. (1 or 2). Prerequisite, ability to play music for a keyboard instrument of the difficulty of Heller, Op. 45, 46, 47; Bach Two-Part Inventions; scales and arpeggios in moderate tempo; simple hymns (at sight). Value, 1 or 2 quarter hours respectively for one or two lessons and six or twelve hours of practice a week throughout the year. Professor Kennedy.

21A-22A-23A. SECOND YEAR ORGAN. (1 or 2). Prerequisite, Music 1A-2A-3A. Value, hours, and fee as in 1A-2A-3A. Professor Kennedy.

51A-52A-53A. THIRD YEAR ORGAN. (2 or 4). Prerequisite, Music 21A-22A-23A. Value, 2 or 4 quarter hours, respectively, for one or two lessons and six or twelve hours practice a week throughout the year. Professor Kennedy.

81A-82A-83A. FOURTH YEAR ORGAN. (2 or 4). Prerequisite, Music 41A-42A-43A. Value, hours, and fee as in third year organ. Professor Kennedy.

Similar numbering and description with regard to value, hours, fees, and prerequisite apply to each of the courses B, C, D, and E.

B. PIANO. Professor Kennedy.

C. VOICE. Mr. Miller.

D. VIOLIN. Professor McCorkle.

E. FLUTE, or other band or orchestral instrument. Professor Slocum.

Ensemble Groups

1F-2F-3F. FIRST YEAR BAND, (1 for year). Prerequisite, approval of instructor based upon a "try-out" given at the beginning of each quarter.

A minimum of two hours a week throughout the year. Professor Slocum.

21F-22F-23F. SECOND YEAR BAND. (1 for year).

Hours and value as in preceding course. Professor Slocum.

51F-52F-53F. THIRD YEAR BAND. (2 a year).

A minimum of two hours a week throughout the year. Professor Slocum.

81F-82F-83F. FOURTH YEAR BAND. (2 a year).

Hours and value as in the preceding course. Professor Slocum.

Similar numbering, prerequisites, value, and hours apply to each of the following courses in applied music:

1G. ORCHESTRA. Professor Slocum.

1H. GLEE CLUB. Mr. Miller.

1I. PIANO ENSEMBLE, OR OTHER INSTRUMENTAL ENSEMBLE. Professors Kennedy, McCorkle, Slocum.

Courses for Graduates and Advanced Undergraduates

101-102-103. MUSICOLOGY. (9). Prerequisite, a reading knowledge of one or more of the important foreign languages, a fair knowledge of musical theory, and some skill in practical applied music.

A study of the problems and methods in the various fields, historical and systematic, of musical research. *Three hours a week, fall, winter, and spring quarters.* Professor Haydon.

124-125-126. STUDIES IN THE HISTORY OF MUSIC. (9). Prerequisite, Music 24-25-26 and 44-45-46.

A critical study of certain composers or periods of musical development. *Three hours a week, fall, winter, and spring quarters.* Professor McCorkle.

161-162-163. FREE COUNTERPOINT, CANON AND FUGUE. (9). Prerequisite, Music 61-62-63.

A study of contrapuntal procedure with particular reference to the style of Bach. *Three hours a week, fall, winter, and spring quarters.* Professor Slocum.

174-175-176. ANALYSIS AND COMPOSITION IN THE LARGER FORMS. (9). Prerequisite, Music 74-75-76.

Three hours a week, fall, winter, and spring quarters. Professor Haydon.

Courses Primarily for Graduates

201. SPECIAL STUDIES. (To be arranged).

The Department is ready to assist and advise competent graduate students who may propose plans for either research or creative work which meet with its approval. Hours and credit to be arranged. Professor Haydon.

301-302-303. SEMINAR. MUSICOLOGY. (9).

Special topics or fields of study will be selected for each quarter after consultation with the class. *Three hours a week (to be arranged), fall, winter, and spring quarters.* Professor Haydon.

DEPARTMENT OF PHILOSOPHY

Professor H. H. WILLIAMS; Associate Professors †GREEN, EMERY;
Instructor M. H. WILLIAMS; Dean BRADSHAW.

Courses for Undergraduates

21-22-23. INTRODUCTION TO THE METHODS OF THOUGHT. (9).

An introductory study of the forms of valid inference, with special reference to the general methods of scientific thought. Emphasis will be placed both on the discussion of principles and upon the study of their application in actual instances of successful thought. Sophomore elective. *Three hours a week, throughout the year.* Mr. M. H. Williams.

24-25-26. INTRODUCTORY METAPHYSICS, ETHICS, AND POLITICAL PHILOSOPHY. (9).

A course designed to acquaint the student with the major philosophical alternatives underlying the scientific thought, the personal conduct, and the

† Absent on leave, 1934-1935.

political forms of today. Views of man's status in nature: naturalism, pragmatism, dualism, realism, and idealism (fall). Evaluation of attitudes, such as the Stoic and Epicurean, expressed in present personal conduct (winter). Appraisal of political ideals: democracy, communism, and fascism (spring). Sophomore elective. *Three hours a week, throughout the year. Fall quarter, Mr. Williams; winter quarter, Dean Bradshaw; spring quarter, Professor Emery.*

41. INTRODUCTION TO PHILOSOPHY. (5).

This course is intended to serve as an introduction to later work in philosophy; but its main purpose is to give a general view of philosophy to those who may take no further courses in the subjects. Lectures and discussions. *Five hours a week, every quarter. Fall and winter quarters (Professor Emery); spring quarter (Mr. M. H. Williams).*

56. THE HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY. (5).

A survey course beginning with the early Greek thinkers and continuing through Medieval Philosophy. *Five hours a week, fall quarter. Mr. M. H. Williams.*

57. THE HISTORY OF MODERN PHILOSOPHY. (5).

A survey course tracing the development of philosophic thought from the Renaissance to the nineteenth century. *Five hours a week, winter quarter. Mr. M. H. Williams.*

62. PLATO AND ARISTOTLE, (5). Prerequisite, Philosophy 56.

A reading course in the principle works of Plato and Aristotle. *Five hours a week, winter quarter. Mr. M. H. Williams.*

63, 64. CONTEMPORARY PHILOSOPHY. (5 each).

A study of Naturalism, Idealism, Realism, and Pragmatism as contemporary outgrowths of important movements in the history of philosophy. *Five hours a week, winter and spring quarters. Professor Emery.*

76. AESTHETICS. (5).

A study of what is known as art or the beautiful, and an inquiry into some of the critical and psychological questions involved. *Five hours a week, fall quarter. Professor _____.*

96. THE PHILOSOPHY OF RELIGION. (5).

A study of the historical development of religion as exemplified in Brahmanism, Buddhism, the religions of Greece and Rome, Judaism, and Christianity, with emphasis upon the last and its growth from Jewish and Hellenic influences. Some of the philosophical problems of religious belief will be considered. *Five hours a week, fall or spring quarter. Mr. M. H. Williams.*

Courses for Graduates and Advanced Undergraduates

121. KANT. (5).

A study of Kant's Critical Philosophy, as rooted in eighteenth century Empiricism and Rationalism, and as initiating German Idealism. Lectures, reading, and discussion. Prerequisite: Philosophy 57. *Five hours a week, spring quarter. Professor Emery.*

131-132-133. LOGIC AND CIVILIZATION. (15).

The purpose of this course is to show how intelligence works both in the individual and in the currents of thought that constitute civilization. The student will be furnished a kit of tools with which to solve some of the problems which will confront him in living his own life and understanding the world about him. *Five hours a week, fall, winter, and spring quarters. Professor Williams.*

141, 142. THE LOGIC OF SCIENCE. (5 each).

The interrelations of common sense, science, and logic; the general nature of scientific inference; the basal concepts and modes of reasoning in mathematics, physical science, and biology. *Five hours a week, fall and winter quarters.* Professor

171, 172, 173. ETHICS. (5 each).

A survey of ethics, historical and contemporary. The first quarter is concerned with the beginnings of ethical standards in the historical religions of the world and the subsequent development of ethical theory. The second quarter traces the contributions to the theory of values made by the scientific developments of the last two centuries. The third quarter is devoted to contemporary ethical problems, economic, political, and personal; and the logical foundation of ethical theory. Lectures, discussion, and directed reading. *Five hours a week, fall, winter, and spring quarters.* Dean Bradshaw.

Courses Primarily for Graduates

224-225-226. KANT. (15).

An intensive study of the *Critique of Pure Reason* with important commentaries, in the light of Kant's whole philosophy and its historical context. *Five hours a week, fall, winter, and spring quarters.* Professor Emery. (Not given 1935-1936.)

227-228-229. STUDIES IN HEGEL. (15).

This course aims to consider Hegel's system as grounded in the *Logik* and exhibited in the *Phenomenologie*. *Five hours a week, fall, winter, and spring quarters.* Professor Williams.

301, 302, 303. SEMINAR IN PHILOSOPHY. (3 each).

Conducted by the Department. Hours and subjects are arranged at the beginning of the year.

311. SPECIAL READINGS. (5).

Reading in a special field under the direction of a member of the Department.

DEPARTMENT OF PHYSICS

Professors RUARK, STUHLMAN, FUSSLER, PLYLER; Instructor CRAVEN; Teaching Fellow BARR; Assistants DiCOSTANZO, GITHENS, GORDY, SMITH.

Courses for Undergraduates

21-22-23. GENERAL PHYSICS. (12). Prerequisite, Freshman Mathematics. Elective for sophomores.

PART I. Mechanics of solids, liquids, and gases. Text: Foley, College Physics. *Three lecture and two laboratory hours a week, fall or spring quarter. Laboratory fee, \$2.75.*

PART II. Electricity and magnetism. Text, see Part I. *Three lecture and two laboratory hours a week, fall or winter quarter. Laboratory fee, \$2.75.*

PART III. Sound, heat, light. Text, see Part I. *Three lecture and two laboratory hours a week, winter or spring quarter. Laboratory fee, \$2.75.* Professors Fussler, Plyler, Stuhlman; Assistants.

NOTE. All three parts must be completed in order to secure any credit.

21E-22E-23E. PHYSICS FOR ENGINEERING STUDENTS. (12). Required of Engineering Sophomores. Prerequisite, Mathematics 1E-2E-3E or equivalent.

General Physics, given with special reference to the needs of engineering students. Problems are selected with this purpose in view. Text: Duff (Editor), *Physics*, 7th ed. *Two lecture, one recitation, and two laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$2.75 a quarter.* Professor Fussler; Messrs. Barr, Craven.

41. ASTRONOMY. (5).

A general course in descriptive and historical astronomy; lectures and recitations, with use of lantern slides, star-maps, telescope, and other instruments. Text: Fath, *Elements of Astronomy*, 2nd ed. *Five hours a week with occasional observations, spring quarter.* Professor Fussler.

51. X-RAY TECHNIQUE: BIOPHYSICS. (6). Prerequisite, Physics 21-22-23.

Laboratory work in roentgenographic technique. Physical aspects of X-ray tubes and high voltage generators. Special problems dealing with biophysical technique. (1935 and alternate years.) *Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, \$15.00.* Professor Stuhlman.

52. MECHANICS. (5). Prerequisite, Physics 21-22-23.

An intermediate course in mechanics and properties of matter. (1936 and alternate years.) *Four lecture and two laboratory hours a week, winter quarter. Laboratory fee, \$3.00.* Professor Fussler.

53. OPTICS. (5). Prerequisite, Physics 21-22-23.

The fundamental principles of geometrical and physical optics. Text: Robertson, *Introduction to Physical Optics*. (1935 and alternate years.) *Four lecture and two laboratory hours a week, fall quarter. Laboratory fee, \$3.00.* Professor Stuhlman.

54. MODERN DEVELOPMENTS IN PHYSICS. (5). Prerequisite, Physics 21-22-23, except by permission.

Particularly for students who are majoring in other fields and who wish a knowledge of twentieth century physics. *Five hours a week, spring quarter.* Under the direction of Professor Fussler. Lectures and demonstrations by Professors Fussler, Plyler, Ruark, and Stuhlman.

55. ELECTRICITY AND MAGNETISM. (5). Prerequisite, Physics 21-22-23.

An intermediate practical course suited to the needs of students in all sciences. Laboratory work includes the use of direct current instruments, study of simple alternating current phenomena, and radio experiments. Text: Loeb, *Fundamentals of Electricity and Magnetism*. (1936 and alternate years.) *Four lecture and two laboratory hours a week, fall quarter. Laboratory fee, \$3.00.* Professor Fussler.

56. HEAT. (5). Prerequisite, Physics 21-22-23.

An intermediate practical course including temperature measurements, calorimetry, radiation, heat conduction, elements of the kinetic theory of gases and of thermodynamics. Some attention will be paid to temperature measurements in industry. Text: Barton, *Heat*. (1935 and alternate years.) *Four lecture and two laboratory hours a week, winter quarter. Laboratory fee, \$3.00.* Professor Plyler.

91, 92. RESEARCH FOR SENIORS. (5 each).

Laboratory fee, \$5.00. Professors Fussler, Plyler, Ruark, Stuhlman.

Courses for Graduates and Advanced Undergraduates

101. INTRODUCTION TO MATHEMATICAL PHYSICS. (5). Prerequisite, Mathematics through Calculus and one of the following: Physics 52, 53, 55, 56.

Mathematical methods for the solution of problems in dynamics, statistical

mechanics, hydrodynamics, and electricity. Text: Page, *Introduction to Theoretical Physics*, or Slater and Frank, *Introduction to Theoretical Physics*. (1935 and alternate years.) *Five hours a week, fall quarter*. Professor Plyler.

110. PHYSICAL MECHANICS. (5). Prerequisite, Mathematics through Calculus and one of the following: Physics 52, 53, 54, 56.

Lectures, problems. Text: Lindsay, *Physical Mechanics*. Required of all candidates for advanced degrees in physics. *Five hours a week, fall quarter*. Professor Stuhlman or Professor Plyler.

120. HEAT AND INTRODUCTORY THERMODYNAMICS. (5). Prerequisite, Mathematics through Calculus and one of the following: Physics 52, 53, 55, 56.

A more advanced and detailed course than Physics 56, with emphasis on theory rather than experiment. Conduction of heat, kinetic theory, and the laws of thermodynamics. Text: Saha and Srivastava, *Heat*. (1935 and alternate years.) *Five hours a week, winter quarter*. Professor Plyler.

140. ELECTRICITY AND MAGNETISM. (5). Prerequisite, Mathematics through Calculus and one of the following: Physics 52, 53, 55, 56.

Electrostatics, electrodynamics, and magnetic phenomena. Text: Page and Adams, *Principles of Electricity*. (1936 and alternate years.) *Five hours a week, winter quarter*. Professor Plyler.

141. ADVANCED ELECTRICITY AND MAGNETISM. (5). Prerequisite, Mathematics through Calculus and Physics 140.

A continuation of Physics 140, with laboratory work, including high frequency measurements. Text: Page and Adams, *Principles of Electricity*. (1936 and alternate years.) *Four lecture and two laboratory hours a week, spring quarter. Laboratory fee, \$3.00*. Professor Plyler.

150. PHYSICAL OPTICS. (5). Prerequisite, Mathematics through Calculus and one of the following: Physics 52, 53, 55, 56.

Diffraction, interference, polarization, resonance radiation; the electromagnetic theory of light. Text: Wood, *Physical Optics*. (1937 and alternate years.) *Five hours a week, spring quarter*. Professor Plyler.

160. ELECTRONICS AND ATOMIC PHYSICS. (5). Prerequisite, Mathematics through Calculus and one of the following: Physics 52, 53, 55, 56.

Ionization phenomena, properties of the electron and other elementary particles, photoelectric effect, thermionics, isotopes, elementary quantum theory, absorption and radiation of energy by atoms and molecules, Zeeman and Stark effects, X-rays, wave properties of matter, radioactivity. Text: Harnwell and Livingood, *Experimental Atomic Physics*. *Five hours a week, winter quarter*. Professor Stuhlman.

161. RADIOACTIVITY. (4). Prerequisite, Mathematics through Calculus and one of the following: Physics 52, 53, 55, 56.

The radioactive elements and their radiations; neutrons, positrons, artificial disintegration, artificial radioactivity, and cosmic rays. Text: Rutherford, Chadwick, and Ellis, *Radioactivity Substances and their Radiations*. (1936 and alternate years.) *Three lecture and two laboratory hours a week, fall quarter*. Professor Ruark.

170. X-RAYS. (5). Prerequisite, Mathematics through Calculus and Physics 53, 55, and 160, except by permission.

About two-thirds of the course will be devoted to the optical properties of X-rays, their absorption and scattering, and X-ray spectra; the remaining one-third to crystal structure determination with X-rays and electron waves, and to industrial applications. Text: Compton and Allison, *X-ray Experiments*. (1936 and alternate years.) *Five hours a week, spring quarter*. Professor Ruark.

201. BOUNDARY PROBLEMS IN CLASSICAL PHYSICS. (5). Prerequisite, Mathematics 141, 171; Physics 140, and either 101 or 110; Mathematics 221 is desirable, but not required.

Unified treatment of the partial differential equations of physics and their solution by orthogonal functions, especially by Fourier series and integrals; potential theory; Riemann's method; applications of integral equations. Text: Webster, *Partial Differential Equations of Mathematical Physics*. (1935 and alternate years.) *Five hours a week, fall quarter*. Professor Ruark.

210. HYDRODYNAMICS AND ELASTICITY. (5). Prerequisite, Mathematics 141 and Physics 101 or 110.

This course emphasizes the development of general theorems and principles, and their application to rather simple problems. Insight is sought, rather than exhaustive knowledge. Perfect fluids; viscous and turbulent flow; equilibrium and vibration of solids. (1936 and alternate years.) *Five hours a week, winter quarter*. Professor Ruark.

220. KINETIC THEORY. (5). Prerequisite, Mathematics 141; Physics 120, except by permission.

Ideal gases, Maxwell's law of velocity distribution, conduction in gases, viscosity, flow in tubes. Text: Loeb, *Kinetic Theory of Gases*. (1936 and alternate years.) *Five hours a week, fall quarter*. Professor Plyler.

221. STATISTICAL MECHANICS. (5). Prerequisite, Mathematics 141 or 171; Physics 101 or 110.

Classical and quantum statistics; applications of the latter; fluctuation phenomena. (1937 and alternate years.) *Five hours a week, spring quarter*. Professor Ruark.

222. THERMODYNAMICS. (5). Prerequisite, Mathematics 141; Physics 120, except by permission.

A continuation of Physics 120 with numerous applications to problems of physics and chemistry; free energy, Nernst heat theorem, equilibria, applications to solutions and systems with several variables. (1935 and alternate years.) *Five hours a week, spring quarter*. Professor Plyler.

240. THEORY OF ELECTRICITY AND MAGNETISM. (5). Prerequisite, Mathematics 141; Physics 140, 141.

Solution of electrostatic problems by conjugate functions and spherical harmonics. Steady states and transients in networks and cables. The general field equations; fields of moving charges, radiation, selected problems in electrodynamics. (1937 and alternate years.) *Five hours a week, winter quarter*. Professor Ruark.

260. ATOMIC AND MOLECULAR STRUCTURE. (5). Prerequisite, Mathematics through Calculus; Physics 53 or 150; Physics 110, 160.

A critical survey of experimental evidence for the quantum theory of atomic and molecular structure. Text: Ruark and Urey, *Atoms, Molecules, and Quanta*. (1936 and alternate years.) *Five hours a week, spring quarter*. Professor Stuhlman.

261-262. QUANTUM MECHANICS. (10). Prerequisite, Mathematics 141, Physics 160. Mathematics 221 is desirable, but not prerequisite.

Dualism of radiation and matter; fundamentals of wave mechanics; atomic energy level problems; potential barriers; matrices; perturbation theory; Dirac's equations and their simpler solutions; collision and scattering problems; applications to such fields as susceptibilities, valence forces, ferromagnetism, emission and absorption of radiation. (1936-1937 and alternate years.) *Five hours a week, fall and winter quarters*. Professor Ruark.

263. BAND SPECTRA. (5). Prerequisite, Mathematics 141, Physics 160.

Experimental methods; theoretical study of diatomic and polyatomic molecules as revealed by molecular spectra; emphasis on infrared spectra. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Plyler.

264. SPECTROSCOPY OF THE INFRARED. (5). Prerequisite, Mathematics 141, Physics 53.

A detailed study of sources of radiation, photographic work, detectors, the prism spectrometer, and the grating spectrometer. (1936 and alternate years.) *Two lecture and six laboratory hours a week, spring quarter.* Professor Plyler.

267. CURRENT ADVANCES IN PHYSICS. (5). Prerequisite, Mathematics 141 and Physics 160.

Lectures and discussion periods centering around selected fields of physics which are advancing rapidly. In 1936 the general topics will include electron diffraction, low temperature research, X-ray spectroscopy, mass spectroscopy, and research on heavy hydrogen. (1936 and alternate years.) *Five hours a week, winter quarter.* Professor Ruark.

268. NUCLEAR PHYSICS. (5). Prerequisite, Physics 160 and 161, except by permission.

The advance of nuclear physics is followed through the current periodicals and through recent books and monographs. The ability to read scientific French and German is essential. (1935 and alternate years.) *Five hours a week, fall quarter.* Professor Ruark.

271. THEORY OF THE SOLID AND LIQUID STATES. (5). Prerequisite, Mathematics 141; Physics 120.

The crystalline state; properties of metals from the standpoint of quantum statistics; spectra of liquids and solids; Debye-Huckel theory. (1936 and alternate years.) *Five hours a week, winter quarter.* Professor Plyler.

301, 302, 303. RESEARCH. (5 each).

Intended for candidates for advanced degrees. Theoretical or experimental work on a subject approved by the physics staff. A reading knowledge of German is required. Professors Fussler, Plyler, Ruark, Stuhlman.

NOTE: Advanced instruction in DYNAMICS is provided by Mathematics 216 (Professor Hobbs), which may be taken for credit in either Mathematics or Physics.

DEPARTMENT OF PSYCHOLOGY

Professors DASHIELL, CRANE, BAGBY; Instructors WELCH, WICKENS, SPELT; Teaching Fellow BICE.

Courses for Undergraduates**21-22-23. GENERAL PSYCHOLOGY. (12).**

The aim of the course is to present the essential phenomena of psychology as an experimental natural science. Emphasis is placed on the organic relationships within the whole field and upon some crucial problems of daily life. Lectures, textbooks, laboratory. Sophomore elective. *Three lecture and demonstration hours and two laboratory hours a week, throughout the year. Laboratory fee, \$2.00 a quarter.* Professors Dashiell, Bagby; Messrs. Wickens, Bice, Welch, Spelt.

Courses for Graduates and Advanced Undergraduates

Note. Psychology 21-22-23 or their equivalent are prerequisite for each of the following courses.

125. ANIMAL PSYCHOLOGY. (5).

Reading topics: evolution of structure and behavior (Parker, Child, Coghill), tropic behavior (Jennings, Loeb), instinctive (Peckhams, Lubbock, Stone), habitual (Thorndike, Yerkes, Watson, and others), reflex (Sherrington, Pavlov), insight (Köhler, Maier), motivation (Moss, Richter). The class will conduct experimental studies in animal learning. *Five hours a week, winter quarter. Laboratory fee, \$2.00.* Professor Dashiell; Mr. Spelt.

126. CHILD PSYCHOLOGY. (5).

This course is primarily an examination of the experimental methods employed in the psychological study of the child. In a series of lectures the twenty-five most significant investigations in the field are presented in detail. The various experimental techniques are critically discussed by members of the class. Lectures and readings. *Five hours a week, spring quarter.* Professor Bagby.

135. ECONOMIC PSYCHOLOGY: INDUSTRIAL AND VOCATIONAL. (5).

There will be two main divisions of the course, as follows: (1) The adjustment of the worker to his work—including training, effects of incentive, monotony, and fatigue; motion study and mental hygiene in industry. (2) The selection of personnel for various kinds of work, with the industrial use of tests of intelligence and personality. An outline of vocational psychology will be given, and the psychology of salesmanship discussed. Lectures, experiments, readings. *Four lecture and two laboratory hours a week, spring quarter. Laboratory fee, \$2.00.* Professor Bagby.

136. ECONOMIC PSYCHOLOGY: ADVERTISING. (5).

An attempt is made to present systematically those aspects of psychology which will aid the advertiser more effectively to construct and present his advertisements. While aiming to give information of practical value, the emphasis is placed upon the establishment of a point of view which will be of assistance in the development of a general technique on the part of the advertiser. (1937 and alternate years.) *Four lecture and two laboratory hours a week, winter quarter. Laboratory fee, \$2.00.* Professor Crane.

138. LEGAL PSYCHOLOGY. (5).

The course is organized about some of the major problems of a psychological nature with which the law is concerned; such as, the accuracy of testimony, the reliability of findings by juries, responsibility and criminal psychology, the effects of punishment, modes of detecting suppression of guilty knowledge. The aim is to obtain an accurate knowledge of the present status of each problem; and the method will be that of a natural science approach leading ultimately to implications of practical legal character. Readings, lectures, and experiments. *Five hours a week, spring quarter. Laboratory fee, \$2.00.* Professor Dashiell.

140. PSYCHOLOGY OF PERSONALITY. (5).

This course is a consideration of certain of the factors upon which the quality of human adjustments depend. Emphasis is placed upon emotional reactions as primary sources of motivation and an attempt is made to indicate the most effective methods of training and of retaining the various types of emotional reactions. *Five hours a week, fall quarter.* Professor Bagby.

145. ABNORMAL PSYCHOLOGY: FEEBLE-MINDEDNESS. (5).

Presentation of the psycho-neural aspects of feeble-mindedness in general, and of the various types, together with their importance in relation to the problems of education, dependency, and delinquency. There will be discussion and demonstration of the various clinical methods of determination and classification of feeble-mindedness. (1936 and alternate years.) *Five hours a week, winter quarter. Laboratory fee, \$1.00.* Professor Crane.

146. ABNORMAL PSYCHOLOGY: PSYCHONEUROSES AND PSYCHOSES. (5).

A study is made of the more important deviations from the normally reacting and experiencing human organism. Attention is given to the sensory, imaginal, emotional, motor, etc., abnormalities and to the occurrence of these in the various psychoses. Brief surveys are given of the methods of clinical psychology and of psychotherapy. *Five hours a week, spring quarter. Laboratory fee, \$1.00.* Professor Crane.

147. ABNORMAL PSYCHOLOGY: METHODS OF MENTAL EXAMINATION. (5).

A presentation of the various psychological methods used in the clinical study of individuals. This includes a study of the methods used in determination of the presence or absence of specialized defects as well as the determination of level of intelligence. Lectures, experiments, readings. *Four lecture and two laboratory hours a week, fall quarter. Laboratory fee, \$3.00.* Professor Crane; Mr. Bice.

151, 152, 153. EXPERIMENTAL PROBLEMS. (5 each).

To the student who finds himself especially interested in some particular problem of psychology, perhaps as growing out of the subject matter of one of the preceding courses, encouragement and opportunity are here offered for investigative study. May be elected any quarter, and for one, two, or three quarters. *One lecture and eight laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$3.00 a quarter.* Professors Dashiell, Crane, Bagby.

190. CONTEMPORARY PSYCHOLOGICAL TENDENCIES. (5).

A systematic survey of the more outstanding modern and contemporary movements in psychology. Historical survey, using Murphy's text and Rand's readings, followed by readings in Titchener, James, Watson, Freud, Köhler, Koffka, Spranger, and perhaps others. Open only to graduate students and to seniors majoring in Psychology; required of all prospective candidates for advanced degrees. *Five hours a week, fall quarter.* Professor Dashiell.

Courses Primarily for Graduates**201. ADVANCED EXPERIMENTAL PSYCHOLOGY. (5).**

A training course in the technique of psychology experimentation and research, to acquaint the advanced student both with methods and with typical forms of apparatus. A survey will be made of experimental technique in the study of the various motor, sensory, thinking, and emotional functions, including both introspective and behavioristic approaches. *One lecture and nine laboratory hours a week, fall quarter. Laboratory fee, \$4.00.* Professor Dashiell; Mr. Welch.

202-203. RESEARCH IN PSYCHOLOGY. (10). Prerequisite, Psychology 201.

Opportunity will be given for the experimental investigation of special problems along the line of the individual student's interests. The personal and material resources of the department are here especially offered. *Ten laboratory hours a week, winter and spring quarters. Laboratory fee, \$2.00 a quarter.* Professors Dashiell, Crane, Bagby.

205. PHYSIOLOGICAL PSYCHOLOGY. (5).

An intensive study is made. Emphasis is placed upon the neural mechanism as a basis of understanding both the mental and the reaction phenomena of psychology. *Six hours a week, winter quarter. Laboratory fee, \$2.00.* Professor Crane.

208. SOCIAL PSYCHOLOGY. (5).

The reading assignments of this course deal primarily with experimental techniques and findings. The lectures include a brief historical survey and an attempt to identify the psychological processes underlying familiar social phenomena. Members of the class are required to present reviews of outstanding texts. *Five hours a week, winter quarter.* Professor Bagby.

325. SEMINAR. (5).

An advanced course devoted to the extensive or intensive survey of current or of historical material bearing upon some limited problem or field of psychology—such as motivation, emotion, thinking, the Gestalt movement, reflexology, etc. The problem studied will be varied from year to year. *Five hours a week, fall, winter, or spring quarter, to be specially announced.* Professors Dashiell, Crane, Bagby.

341-342. ADVANCED RESEARCH. (10).

Experimental or clinical research to be done by advanced graduate students only. *Ten laboratory hours a week, any two quarters.* Professors Dashiell, Crane, Bagby.

The student is referred also to courses in Educational Psychology, Education 71, 173, and 271-2, given by Professor Jordan; to a course in Neurology, Anatomy 105, given by Professor Mangum; and to courses in Statistics, Mathematics 111, given by Professor Hill, Education 103, given by Professor Traub, and Economics 170, given by Professor Ferger.

DEPARTMENT OF PUBLIC ADMINISTRATION

Professor WOODHOUSE; Associate Professors SANDERS, BROWN; Field Supervisor LAWRENCE.

Note. For descriptions of the courses listed by titles only the reader is referred to the departments and numbers shown in parenthesis.

Courses for Undergraduates

35. ECONOMIC HISTORY (Economics 35).

42. SOCIAL PROBLEMS (Sociology 42).

71-72. ACCOUNTING (Commerce 71-72).

80a. THE PRINCIPLES AND PRACTICE OF SANITATION (Civ. Eng'g. 80a).

82. AMERICAN LITERATURE (English 82).

91-92. BUSINESS LAW (Commerce 91-92).

Note. *Graduate credit for courses 103, 115, 175, 181, 183, 201, 210, 212, 235 is withheld pending action of the Administrative Board of the Graduate School.*

Courses for Graduates and Advanced Undergraduates

101. PUBLIC ADMINISTRATION. (5). Prerequisite, Bachelor's degree, or three courses in Government, History, Economics, and Sociology.

General problems of public administration in the modern state. The development of administration; the principles of organization; its relation to the legislative and judicial branches of government; the processes of integration and centralization; the administrative reorganization of the United States; relation to administrative law; etc. Special problems of administration, such

as personnel, the budget, administrative rules and regulations, morale, recruitment and examinations, promotion and efficiency methods, and retirement systems, will be considered. *Five hours a week, fall or spring quarter.* Professor _____.

103. PUBLIC HEALTH AND HYGIENE (Bacteriology 234).

111. NORTH CAROLINA: ECONOMIC AND SOCIAL (Rural Social Economics 101).

115. CRIMINAL LAW ADMINISTRATION (Law).

122. GOVERNMENT AND ADMINISTRATION OF EUROPEAN CITIES (Government 122).

131. AMERICAN STATE GOVERNMENT (Government 131).

132. AMERICAN MUNICIPAL GOVERNMENT (Government 132).

134. COUNTY GOVERNMENT AND ADMINISTRATION (Government 134 and Rural Social Economics 134).

138. LEGAL PSYCHOLOGY (Psychology 138).

141. PUBLIC FINANCE (Economics 141).

142. FINANCIAL ORGANIZATION AND ADMINISTRATION (Economics 142).

144. MENTAL HYGIENE IN RELATION TO SOCIAL WORK. (3).

A course primarily for students in the Department of Public Administration who are working toward a degree or a certificate in social work. Particular emphasis will be given to the place of the social worker in mental hygiene; feeble-mindedness, psychoses, and minor mental aberrations in relation to social work; and ways in which a social worker may be a factor in mental hygiene. *Three hours a week, winter quarter.* Professor Crane.

145. ABNORMAL PSYCHOLOGY: FEEBLE-MINDEDNESS (Psychology 145).

146. ABNORMAL PSYCHOLOGY: PSYCHONEUROSES AND PSYCHOSES (Psychology 146).

150ab. CITY PLANNING AND HIGHWAY ENGINEERING (Engineering 160ab).

151. ELEMENTS OF POLITICAL SCIENCE (Government 151).

155. PERSONNEL MANAGEMENT (Commerce 155).

160. INTRODUCTION TO SOCIAL WORK (Sociology 160). (5).

Essentially a professional course in social problems with the emphasis laid upon methods of treatment by public and private social agencies. After a brief discussion of the nature, purpose, and scope of social work the course will deal chiefly with the major social problems, such as poverty and destitution, physical and mental deficiency, disease, crime, and delinquency. Methods of education and training for social work will also be taken up in considerable detail. *Five hours a week, fall quarter.* Professor Sanders.

161. NORTH CAROLINA, 1663-1789 (History 161).

162. NORTH CAROLINA, 1789-1900 (History 162).

164. FAMILY CASE WORK. (5).

Discussion of the relation of the individual to the family and the family to the community. The technique of case work and its scientific approach—methods of investigation, interviewing, social evidence, sources, diagnosis, treat-

ment. Class work is supplemented by field work under the supervision of members of the staff of the School of Public Administration. *Five hours a week, winter quarter.* Professor Sanders.

165. ADVANCED FAMILY CASE WORK. (5).

A continuation of course 164, with more intensive study of case work. Class work is supplemented by field work under the supervision of members of the staff of the School of Public Administration. *Five hours a week, spring quarter.* Professor Sanders.

167. ECONOMIC HISTORY OF THE UNITED STATES (History 167).

168. THE COMMUNITY (Sociology 168).

170. ECONOMIC STATISTICS (Economics 170).

173. PLAY AND RECREATION (Sociology 173).

175. POLITICAL PARTIES. (5). Prerequisite, Government 21.

History, organization, and policies of major and minor parties; nominating systems; ballot and election laws; party finance; political machines; influence of party upon executive and legislative branches of government. Special emphasis upon the relation of party to administration and to current American politics. Lectures, readings, and reports. *Five hours a week, winter quarter.* Professor _____.

179. GOVERNMENTAL ACCOUNTING (Commerce 179).

181. INFECTION, IMMUNITY, AND SERUM DIAGNOSIS (Bacteriology 233). (5).

185. PUBLIC HEALTH LABORATORY METHODS (Bacteriology 235). (5).

192. CRIME (Sociology 192). (5).

Nature and causes of crime; evolution of modern methods of criminal procedure; administration of penal and reformatory institutions; programs for the social treatment of the criminal; the problems of juvenile delinquency. The class work will be supplemented by field trips to criminal courts and penal institutions. *Five hours a week, winter quarter.* Professor Brown.

193. SOCIAL PATHOLOGY. (Sociology 193). (5).

A survey of the abnormal and pathological aspects of society. Among the problems studied are feeble-mindedness, insanity, physical defectiveness, malnutrition, alcoholism, prostitution, vagrancy, family disorganization. Emphasis is given to methods of treatment by private and public institutions and agencies. Class work is supplemented by field trips to county and state institutions. *Five hours a week, fall quarter.* Professor Brown.

198. JUVENILE DELINQUENCY (Sociology 198). (5).

This course deals with the diagnosis and treatment of juvenile delinquency from the social worker's viewpoint. Under diagnosis will be taken up the methodology of the social scientists in this field, and the evaluation of the different causative factors of juvenile delinquency. Under treatment will be covered the work of the juvenile court, probation, parole, and institutional care. *Five hours a week, fall quarter.* Professor Sanders.

199. PUBLIC CARE OF CHILDREN. (5).

This course is intended primarily for students who expect to follow social work as a profession. The major part of the course will be devoted to the study of methods and technique of the social agencies engaged in the social treatment of the different classes of children who stand in need of public care and protection, such as the delinquent child, the dependent or neglected child, the defective child, and children in employment. The latter part of the

course will be devoted to a discussion of public responsibility for the welfare of children in general, especially from the standpoint of education, health, and maintenance. *Five hours a week, winter quarter* Professor Sanders.

Courses for Graduates Only

- 201. PUBLIC UTILITIES (Law).
- 208. SOCIAL PSYCHOLOGY (Psychology 208).
- 210. ADMINISTRATIVE LAW (Law).
- 212. PUBLIC HEALTH LAW (Law).
- 215. SOCIAL DEMOGRAPHY (Sociology 215).
- 255. MUNICIPAL CORPORATIONS (Law).
- 230. CONSTITUTIONAL LAW (Law).
- 235. LEGISLATION (Law).
- 260ab. REGIONAL AND CITY PLANNING (Engineering 260ab).
- 266. PUBLIC WELFARE. (5).
 1. The organization of Public Welfare in the United States. 2. Detailed study of the North Carolina Plan. 3. Office Organization and Administration. (Alternates with 267. 1935 and alternate years.) *Five hours a week, spring quarter.* Professor Brown.
- 267. SOCIAL LAWS. (5).
 The development of social legislation pertaining to important social problems. Special attention to social laws of North Carolina. (Alternates with 266. 1936 and alternate years.) *Five hours a week, spring quarter.* Professor Brown.
- 271abc. RURAL SOCIAL PROBLEMS (Rural Social Economics 271abc).
- 301abc. RURAL ECONOMICS (Rural Social Economics 301abc).
- 303abc. PROBLEMS IN EDUCATIONAL ADMINISTRATION (Education 303abc).
- 305. SEMINAR IN COUNTY ADMINISTRATION (Rural Social Economics 305 or Government 305).

DEPARTMENT OF ROMANCE LANGUAGES

Professors DEY, LEAVITT, HOLMES, ADAMS, HUSE; Associate Professors STAAB, LYONS (Secretary), BOGGS, STOUDEMIRE; Assistant Professor WILEY; Instructors J. L. SMITH, WRIGHT, LINKER, CARROLL, McLEOD, TAYLOR, W. P. SMITH, HAYES, CREECH, WEAVER; Teaching Fellows ENGSTROM, COKER, McKNIGHT.

*FRENCH

Courses for Undergraduates

1-2-3. ELEMENTARY AND INTERMEDIATE FRENCH. (9).

A course running through three quarters, designed for beginners and for those whose preparation is not sufficient to qualify them for Intermediate

* An undergraduate major in French consists of the following eight courses: French 51; 52 or 126; 109 or 115 or 132; 145; 161 or 181; 131 or 171 or 172; 191 or 192; one more course approved by the Department.

French (11-12-13). *Six hours a week, through the year.* Professors Lyons, Wiley; Messrs. J. L. Smith, Wright, Linker, Carroll, McLeod, Taylor, Creech, Engstrom, Coker.

NOTE: No student is permitted to take French 1 or 2 or 3 and Spanish 1 or 2 or 3 at the same time.

11-12-13. INTERMEDIATE FRENCH. (9).

A course running through three quarters, designed for those who show evidence of adequate preparation. Sophomore elective. *Three hours a week, through the year.* Professors Huse, Staab, Wiley; Messrs. J. L. Smith, Wright, Linker, Carroll, McLeod, Creech.

14-15-16. SPECIAL COURSE IN ELEMENTARY FRENCH. (9).

A course for beginners open only to those who desire an introduction to a second foreign language and who give evidence of being especially qualified for such study. Sophomore elective. *Three hours a week, through the year.* Professor Wiley.

21-22-23. ADVANCED FRENCH. (9). Prerequisite, French 1-2-3 or 11-12-13 or the equivalent.

Survey of French Literature with selected readings from representative authors. Sophomore elective. *Three hours a week, through the year.* Professors Dey, Huse, Lyons, Wiley; Messrs. J. L. Smith, Linker, Carroll, McLeod.

24-25. COMMERCIAL FRENCH. (6). Open to students in the School of Commerce only. Prerequisite, French 21.

The object of this course is to give the student practical training in modern French. Newspaper and magazine articles dealing with the life and customs of the country are read. Practice in social and commercial correspondence. This course is largely conducted in French. *Three hours a week, winter and spring quarters.* Professor Staab.

51. FRENCH CONVERSATION AND COMPOSITION. (5). Prerequisite, French 23.

The object of this course is to provide students with an opportunity to acquire practice in spoken French. Discussion in French on subjects of general interest. Composition and outside reading. *Five hours a week, fall or spring quarter.* Professor Lyons.

52. FRENCH CIVILIZATION. (5). Prerequisite, French 51.

A rapid survey of the history of France, with emphasis on political and economic developments necessary to an understanding of the present situation. History and discussion of French institutions, with some reference to the history of French art and French music. All lectures, discussions, and reports on collateral reading are in French. *Five hours a week, winter quarter.* Professor Lyons.

55. REVIEW OF GRAMMAR AND SYNTAX. (5). Prerequisite, French 23.

This course is primarily for teachers, and is open to Juniors and Seniors who intend to teach French. It consists of an intensive review study of the elements and fundamentals of French grammar and syntax. Before registering for this course, students must secure the permission of the instructor. *Five hours a week, winter quarter.* Mr. J. L. Smith.

Courses for Graduates and Advanced Undergraduates

109. THE FRENCH NOVEL. (5). Prerequisite, French 23.

A study of the development of the novel in France. Lectures, readings, reports. (1936 and alternate years.) *Five hours a week, winter quarter.* Professor Dey.

115. FRENCH LYRIC POETRY. (5). Prerequisite, French 23.

A study of French lyric poetry, beginning with Villon. Lectures, readings, reports. *Five hours a week, spring quarter.* Professor Huse.

126. HISTORY OF THE FRENCH LANGUAGE. (5). Prerequisite, French 23.

A general survey from the origins to the present day, with especial emphasis upon the period, 1500-1900: the influence of the Erudits, Précieuses, Philosophes, and Romanticists; spelling reforms. *Five hours a week, winter quarter.* Professor Holmes.

131. THE FRENCH DRAMA PRIOR TO 1700. (5). Prerequisite, French 23.

A survey of the religious and comic theatres of the Middle Ages; the theatre of the Renaissance and its relation to the classic theatres of Greece and Rome; the neo-classic theatre of the 17th century. *Five hours a week, winter quarter.* Professor Wiley.

132. THE FRENCH DRAMA SINCE 1700. (5). Prerequisite, French 23.

A survey of Modern French Drama with special attention to the theatrical principles and ideas of the different dramatic schools of the last two centuries. *Five hours a week, spring quarter.* Professor Wiley.

145. FRENCH PHONETICS. (5). Prerequisite, French 23.

A detailed study of the French vowel and consonant sounds by the phonetic method. This course is required of candidates with a major in French for the master's degree, and it should be elected by anyone who intends to teach French. *Five hours a week, fall quarter.* Professor Dey.

161. THE SIXTEENTH CENTURY. (5). Prerequisite, French 23.

A general treatment of the chief movements in French literature of the 16th century, with some reference to the Italian Renaissance and its influence on France. Specimen readings from the more important poets and prose writers: Marot, Rabelais, the Pléiade, Montaigne, etc. *Five hours a week, spring quarter.* Professor Lyons.

171. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY. (5). Prerequisite, French 23.

A study of the period of Henry IV and Louis XIII. *Five hours a week, fall quarter.* Professor Lyons.

172. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY. (5). Prerequisite, French 23.

This course deals with the literature of the reign of Louis XIV. *Five hours a week, winter quarter.* Professor Lyons.

181. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY. (5). Prerequisite, French 23.

Voltaire, Montesquieu, Rousseau, les Encyclopédistes. A study of the literary movement of the century and of the origins of romanticism. *Five hours a week, fall quarter.* Professor Huse.

191. FRENCH ROMANTICISM. (5). Prerequisite, French 23.

French literature from 1800 to 1850, with special stress on the works of the romantic poets, Lamartine, Hugo, Vigny, and Musset. Lectures, readings, reports. *Five hours a week, fall quarter.* Professor Dey.

192. FRENCH LITERATURE SINCE 1850. (5). Prerequisite, French 23.

A study of the later literary movements of the 19th century, with some emphasis on the contemporary period. Lectures, readings, reports. *Five hours a week, winter quarter.* Professor Dey.

CELTIC 105. MIDDLE IRISH. (5). Value, 5 quarter hours.

Grammar and reading of texts. Dottin, *Manuel de l'Irlandais Moyen, Tâin Bó Cúailnge* (Supplement to *Eriu*). *Five hours a week, winter quarter.* Professor Holmes.

Courses Primarily for Graduates

221-222-223. OLD FRENCH. (15).

Reading of the oldest texts: La Chanson de Roland; Aucassin et Nicolette; Chrétien de Troyes. Lectures on French phonology and morphology. *Five hours a week, fall, winter, and spring quarters.* Professor Holmes.

225. PROVENÇAL. (5).

A study of the ancient language and literature of Provence. The poetry of the Troubadours. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Holmes.

231. FRENCH SYNTAX. (5).

The most important phases of modern French syntax studied from an historical point of view. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Dey.

248. FRENCH LITERATURE OF THE 14TH AND 15TH CENTURIES. (5). Prerequisite, French 221 or 265.

A combination of literary survey and reading course. Especial attention will be paid to Villon, who will be read entire with commentary. General treatment of such writers as Machaut, Froissart, Christine de Pisan, etc. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Holmes.

265-266. FRENCH LITERATURE OF THE RENAISSANCE. (10).

A study of French Literature of the 16th century. Italian and French Humanism. The reformation. Marot, Rabelais, Calvin, the Pléiade, Montaigne. (1937 and alternate years.) *Five hours a week, winter and spring quarter.* Professor Lyons.

331. HISTORY OF FRENCH LITERATURE PRIOR TO 1300. (5).

Lectures and seminar papers. A complete and careful study of the origins of French literature, with emphasis upon the twelfth century Renaissance, the period of the epics, beginning of romances, etc. French 221 is desired, though not prerequisite. (1935 and alternate years.) *Five hours a week, fall quarter.* Professor Holmes.

391. STUDIES IN ROMANTICISM. (5). Prerequisite, French 191.

Seminar course. Intensive study of one of the romantic poets. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Dey.

395. RESEARCH. (5).

Research in a special field under the direction of a member of the department.

*SPANISH

Courses for Undergraduates

1-2-3. ELEMENTARY AND INTERMEDIATE SPANISH. (9).

A course running through three quarters, designed for beginners and for those whose preparation is not sufficient to qualify them for Intermediate Spanish (11-12-13). *Six hours a week, through the year.* Professor Stoudemire; Messrs. W. P. Smith, Hayes, Weaver, McKnight.

NOTE: No student is permitted to take French 1 or 2 or 3 and Spanish 1 or 2 or 3 at the same time.

*An undergraduate major in Spanish consists of the following eight courses: Spanish 109; 110; 111; 131; 132; 134 or 135; 145; and one more course approved by the Department.

11-12-13. INTERMEDIATE SPANISH. (9).

A course running through three quarters, designed for those who show evidence of adequate preparation. Sophomore elective. *Three hours a week, through the year.* Professors Leavitt, Adams, Stoudemire; Messrs. Hayes, W. P. Smith.

14-15-16. SPECIAL COURSE IN ELEMENTARY SPANISH. (9).

A course for beginners open only to those who desire an introduction to a second foreign language and who give evidence of being especially qualified for such work. Sophomore elective. *Three hours a week, through the year.* Professor Stoudemire.

21-22-23. ADVANCED SPANISH. (9). Prerequisite, Spanish 1-2-3 or 11-12-13 or the equivalent.

Survey of Spanish Literature with selected readings from representative authors. Sophomore elective. *Three hours a week, through the year.* Professors Adams, Boggs, Stoudemire.

24-25. COMMERCIAL SPANISH. (6). Open to students in the School of Commerce only. Prerequisite, Spanish 21.

The object of this course is to give the student practical training in modern Spanish. Newspapers and magazine articles dealing with the life and customs of South America are read. Practice in commercial correspondence. This course is largely conducted in Spanish. *Three hours a week, winter and spring quarters.* Professor Leavitt.

Courses for Graduates and Advanced Undergraduates**109. EARLY SPANISH PROSE FICTION. (5). Prerequisite, Spanish 23.**

A study of the origins and developments of the novel in Spain up to the time of Cervantes. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Adams.

110. THE SPANISH NOVEL—1605-1898. (5). Prerequisite, Spanish 23.

A survey of the novel from Cervantes through the nineteenth century. (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Adams.

111. MODERN SPANISH NOVELISTS. (5). Prerequisite, Spanish 23.

A study of the "Generation of '98," with consideration of present day tendencies. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Adams.

115. EARLY LYRIC POETRY. (5). Prerequisite, Spanish 23.

A survey of lyric poetry in the Spanish peninsula from the origins through the Siglo de Oro. (1935 and alternate years.) *Five hours a week, fall quarter.* Professor Adams.

116. MODERN LYRIC POETRY. (5). Prerequisite, Spanish 23.

Brief treatment of the poetical schools of Seville and Salamanca in the eighteenth century and study of Spanish lyric poetry through the nineteenth century to the present day. (1936 and alternate years.) *Five hours a week, winter quarter.* Professor Adams.

131. LOPE DE VEGA AND HIS CONTEMPORARIES. (5). Prerequisite, Spanish 23.

Reading of representative plays of Lope de Vega, Tirso de Molina, Guillén de Castro, Ruiz de Alarcón, etc. Lectures and reports. (1935 and alternate years.) *Five hours a week, fall quarter.* Professor Leavitt.

132. CALDERON AND HIS CONTEMPORARIES. (5). Prerequisite, Spanish 23.

Reading of representative plays of Calderón de la Barca, Moreto, Rojas, etc. Lectures and reports. (1936 and alternate years.) *Five hours a week, winter quarter.* Professor Leavitt.

134. SPANISH DRAMA OF THE NINETEENTH CENTURY. (5). Prerequisite, Spanish 23.

Reading of representative plays of this period. Lectures, oral and written reports. (1936 and alternate years.) *Five hours a week, fall quarter.* Professor Leavitt.

135. MODERN SPANISH DRAMA. (5). Prerequisite, Spanish 23.

Reading of plays of Dicenta, Benavente, Linares Rivas, the Alvarez Quintero brothers, Marquina, Martinez Sierra, etc. Lectures, oral and written reports. (1937 and alternate years.) *Five hours a week, winter quarter.* Professor Leavitt.

145. SPANISH PHONETICS. (5). Prerequisite, Spanish 23.

A detailed study of the Spanish vowel and consonant sounds by the phonetic method. This course is required of candidates with a major in Spanish for the master's degree, and it should be elected by anyone who intends to teach Spanish. *Five hours a week, spring quarter.* Professor Boggs.

Courses Primarily for Graduates

221-222. OLD SPANISH. (10).

Ford's *Old Spanish Readings*. The Poem of the Cid and other old Spanish texts. Lectures on phonology, morphology, and syntax. *Five hours a week, fall and winter quarters.* Professor Boggs.

241. INTRODUCTION TO SPANISH-AMERICAN LITERATURE. (5).

A study of notable authors and consideration of present-day writers. (1937 and alternate years.) *Five hours a week, spring quarter.* Professor Leavitt.

291. EARLY SPANISH LITERATURE. (5). Prerequisite, Spanish 221-222.

Survey of Medieval Spanish Literature. *Five hours a week, spring quarter.* Professor Boggs.

393. SPANISH ROMANTICISM. Seminar course. (5).

General survey of the Romantic period in Spain and investigation of special problems. (1936 and alternate years.) *Five hours a week, spring quarter.* Professor Adams.

395. RESEARCH. (5).

Research in a special field under the direction of a member of the department.

Attention is called to General and Comparative Literature 157.

ITALIAN

Courses for Undergraduates

51. ELEMENTARY COURSE. (5). Prerequisite, French 11-12-13 or Spanish 11-12-13.

Grammar, pronunciation, oral and written exercises. Reading of modern Italian texts. *Five hours a week, fall quarter.* Professor Huse.

52. MODERN ITALIAN LITERATURE. (5). Prerequisite, Italian 51.

Continuation of Course 51 with reading from modern Italian poets, dramatists, and novelists. *Five hours a week, winter quarter.* Professor Huse.

Courses for Graduates and Advanced Undergraduates

131. DANTE. (5). Prerequisite, Italian 51 and 52.

The *Vita Nuova* and the *Inferno*, with some reference to origins of Italian literature and to the poets of the *dolce stil nuovo*. (1936 and alternate years.) *Five hours a week, spring quarter*. Professor Huse.

132. DANTE. (5). Prerequisite, Italian 131.

The *Purgatorio* and the *Paradiso*. (1937 and alternate years.) *Five hours a week, spring quarter*. Professor Huse.

156. DANTE IN ENGLISH TRANSLATION. (5).

The *Vita Nuova* and the *Divine Comedy*; the precursors of Dante and the poets of the *dolce stil nuovo*. Special studies of Dante's political and social philosophy, with particular emphasis on Dante as a poet and as a guide. *Five hours a week, fall quarter*. Professor Huse.

161. ITALIAN LITERATURE OF THE RENAISSANCE. (5). Prerequisite, Italian 51 and 52.

Readings from the principal authors, with special emphasis on Ariosto, Machiavelli, Castiglione, and the lyric poets. Collateral reading on the history of Italian culture during the Renaissance. *Five hours a week, winter quarter*. Professor Huse.

Course Primarily for Graduates

221. OLD ITALIAN. (5).

Reading of the poets previous to Dante. Early monuments. Survey of phonology and morphology. (1936 and alternate years.) *Five hours a week, fall quarter*. Professor Holmes.

DEPARTMENT OF RURAL SOCIAL ECONOMICS

Professor HOBBS; Associate Professor WAGER.

Courses for Undergraduates

51-52. RURAL ECONOMICS. (10). Prerequisite or corequisite, Economics 31-32-33.

A general course in the principles and problems of rural economy, with special attention given to the economics of agriculture in North Carolina and the South. References: Gray's *Agricultural Economics*; Taylor's *Outlines of Agricultural Economics*; Yoder's *Introduction to Agricultural Economics*. *Five hours a week, fall and winter quarters*. Professor Hobbs.

53. HISTORY OF AGRICULTURE. (5).

This course traces the development of agriculture from its earliest beginnings to the present: earliest beginnings; Greece and Rome; later agriculture in Europe; American agriculture. References: Gras, *A History of Agriculture*; Schmidt and Ross, *Readings in the Economic History of American Agriculture*; special readings. *Five hours a week, spring quarter*. Professor Hobbs.

61. AGRICULTURAL COÖPERATION. (5).

Lecture and research. History of agricultural coöperation, principles of coöperation, coöperative organization, rural credits, and coöperative marketing. *Five hours a week, winter quarter*. Professor Hobbs.

71. RURAL SOCIOLOGY. (5).

Rural Sociology. Text: Gillette's *Rural Sociology*. Collateral readings: Galpin's *Rural Life*; Butterfield's *Chapters in Rural Progress*; Sorokin and Zimmerman's *Principles of Rural-Urban Sociology*. *Five hours a week, fall quarter*. Professor Wager.

72. RURAL SOCIOLOGY. (5).

Country Life Problems. Text: Taylor's *Rural Sociology*. Collateral readings: Boyle's *Rural Problems in the United States*, Galpin's *Rural Social Problems*, Butterfield's *The Country Church and the Rural Problem*. *Five hours a week, winter quarter*. Professor Wager.

73. RURAL SOCIOLOGY. (5).

The Rural Community. Text: Sims' *Elements of Rural Sociology*. Collateral readings: Hawthorne's *The Sociology of Rural Life*, Haye's *Rural Community Organization*, Miller's *Town and Country*, Wilson's *Evolution of the Country Community*, Sims' *The Rural Community*, Steiner's *The American Community in Action*. *Five hours a week, spring quarter*. Professor Wager.

91, 92, 93. LABORATORY COURSES IN RURAL ECONOMICS AND SOCIOLOGY. (5 each). Corequisite, 51-52 or 71, 72, and 73.

Home-state studies, home-county studies, research projects and surveys. Hours arranged to suit the convenience of the student. *Nine hours laboratory and one hour seminar a week, fall, winter, and spring quarters*. Professors Hobbs, Wager.

95, 96, 97. LABORATORY COURSES ON THE HOME COUNTY. (5 each.)

Studies in the economic and social conditions of the home county with a view to the publication of a county survey or a county geography supplement. Arranged especially to meet the needs of county organizations at the University. Hours arranged to suit the convenience of the student. *Nine hours laboratory and one hour seminar a week, fall, winter, and spring quarters*. Professor Wager.

Courses for Graduates and Advanced Undergraduates

101. NORTH CAROLINA: ECONOMIC AND SOCIAL. (5).

This course is designed to familiarize the student with North Carolina: population, agriculture, resources, social life, economic development, industry, wealth, taxation, education, public welfare. *Five hours a week, fall or spring quarter*. Professor Hobbs.

134. COUNTY GOVERNMENT AND ADMINISTRATION. (5).

A study of the forms of organization, the functions, and the operation of county government in the United States and especially in North Carolina in their historical development, but with special emphasis on present conditions and tendencies and on possible improvements. Each student will be required to study as intensively as possible the government and administration of one county, preferably his home county, and to put his results into essay form. Textbooks, lectures, and readings. *Five hours a week, winter quarter*. Professor Wager.

Courses for Graduates

271abc. RURAL SOCIAL PROBLEMS. (5 each quarter).

Designated readings on and class discussions of (1) the solitary farmstead and the country community, (2) farm tenancy, (3) country illiteracy, (4) the country school, (5) the country church, and (6) rural citizenship. *Five hours a week, fall, winter, and spring quarters*. Professor Hobbs.

301abc. RURAL ECONOMICS. (5 each quarter).

Research, seminars, and field investigations in (1) land economics—resources, values, ownership and tenancy, laws and policies; (2) farm organization and management—farm systems, farm finance, distribution of farm products and the farm income, coöperative farm enterprise; (3) country wealth, country institutions and problems; (4) state and county studies, economic, social, and civic; county bulletins, etc. Required preliminary preparation: ap-

proved courses in general and rural economics. Lacking such preparation, collateral courses in these subjects must be taken in residence here. *Five hours a week, fall, winter, and spring quarters.* Professors Hobbs, Wager.

305abc. SEMINAR IN COUNTY ADMINISTRATION. (5).

Research, reading, and conferences on special phases of county organization and administration. Typical subjects for intensive study might be: county consolidation, county management, assessment of property, tax delinquency, county planning. Prerequisite, rural social-economics 134 or two courses in government. *Five hours a week, fall, winter, or spring quarter.* Professor Wager.

311abc. RURAL SOCIAL PROBLEMS. (5 each quarter).

1. Research, seminars, and field investigations of (1) rural social institutions and agencies; (2) transportation and communication facilities in rural areas; (3) country-mindedness and its sequences; (4) town and country interdependencies; (5) social disability in country areas, our public welfare laws and agencies; (6) social aspects of tenancy and illiteracy; (7) state and county studies, economic, social, and civic; county bulletins, etc. 2. Rural Social Survey; research technic, and field work. 3. Statistics; interpretation and use. 4. Rural Social Engineering: (1) county community studies; (2) community organization, economic and social; (3) county government; (4) country leadership, requisites and technic. Required preliminary preparation: approved courses in general and rural sociology. Lacking this, collateral courses in these subjects must be taken in residence here. *Five hours a week, fall, winter, and spring quarters.* Professors Hobbs, Wager.

DEPARTMENT OF SOCIOLOGY

Professors ODUM, MEYER; Research Professors GROVES, WOOFER;
Assistant Professor BROOKS; Research Associates JOHNSON,
VANCE (Institute for Research in Social Science).

Courses for Undergraduates

31-32-33. COMPREHENSIVE INTRODUCTORY COURSE. (9).

A comprehensive introduction to sociology and its newer developments. Study of sociological principles, processes, and theories integrated with social problems and social direction. How to study society; methods; techniques; research. Sophomore elective. *Three hours a week, through the year.* Professors Meyer, Brooks; Teaching Fellow.

(NOTE: Students with one elective course in sociology may take either Sociology 41 or 42. For majors in the Department Sociology 41 and 42 are prerequisites. For Sociology 62 no prerequisite is required except senior standing or its equivalent.)

41. INTRODUCTION TO SOCIOLOGY. (5).

Emphasis on social origins as found in primitive society; the rise of contemporary society; the forces shaping society studied through geographical, biological, psychological, and cultural approaches; social organization and control; the elements of social theory. *Five hours a week, every quarter.* Professor Brooks.

42. SOCIAL PROBLEMS. (5).

A general course giving primary emphasis to positive features and secondary consideration to the pathological aspects of society. The student is introduced to various social problems and institutions such as race, immigration, the family, and the community, which can be pursued more intensively in other specialized courses in this department. *Five hours a week, every quarter.* Professor Meyer.

62. MARRIAGE. (3). Open to senior men students.

A discussion of the practical problems of marriage, parenthood, and family adjustment. *Three hours a week, spring quarter.* Professor Groves.

Courses for Graduates and Advanced Undergraduates**151. SOCIAL ANTHROPOLOGY. (5).**

A general course in social anthropology, but with some attention to physical anthropology and archaeology. The nature of culture; culture processes; the modern cultural environment; and social change. *Five hours a week, spring quarter.* Professor Johnson.

152. SOCIAL THEORY. (5).

A survey of the range of contemporary social theory with preliminary consideration of its historical backgrounds. A study is made of contributions to theories of human ecology, regionalism, population, social differentiation, the social personality, mobility, human nature and culture, collective behavior, religion, art and the *mores*, the social processes, conflict, and social control. Leading theories are summarized, compared, and criticized. Required in all majors and of all candidates for graduate degrees. *Five hours a week, every quarter.* Professor Vance.

160. INTRODUCTION TO SOCIAL WORK. (5).

Essentially a professional course in social problems with the emphasis laid upon methods of treatment by public and private social agencies. After a brief discussion of the nature, purpose, and scope of social work the course will deal chiefly with the technical application of social work to the pathological problems, such as poverty and destitution, physical and mental deficiency, disease, crime, and delinquency. Methods of education and training for social work will also be taken up in considerable detail. *Five hours a week, fall quarter.* Professor Sanders.

161. THE FAMILY. (5).

The history, purpose, and problems of the family with especial attention to social conditions influencing family life and to efforts for family conservation. Open to men and women. *Five hours a week, fall quarter.* Professor Groves.

168. THE COMMUNITY. (5).

1. A descriptive, analytic, and comparative study of urban structure and growth, with primary emphasis upon social planning in connection with such problems and programs as housing, delinquency areas, slum clearance, and recreation. 2. The community and social work; community organization, its origins, development, problems, and prospects. Large use will be made of recent literature in this field. *Five hours a week, winter quarter.* Professor Brooks.

171. EDUCATIONAL SOCIOLOGY. (5).

Education is a process of social control and achievement. The social resources of the school and other educational resources. Social problems of the teacher. *Five hours a week, fall quarter.* Professor Meyer

173. PLAY AND RECREATION. (5).

The theories of play, play activities, attitudes, history of the play movement, play leadership, programs, values, sex and age differences, classification of movements, application to community life. *Five hours a week, winter quarter.* Professor Meyer.

175. EXTRA-CURRICULAR ACTIVITIES. (3).

Clubs, student participation in school government, physical education, publicity in school publications, commencement, many miscellaneous topics—

the assembly, festival days, suggestions to leaders, home room activities, programs, dramatics, point systems, contributions from national agencies interested in extra-curricular activities, theoretical and practical studies of institutions promoting successful programs, bibliographical materials. *Three hours a week, spring quarter.* Professor Meyer.

185. THE NEGRO. (5).

A study of the American Negro, with particular reference to the South, the historical and cultural background of the Negro in Africa and in America; development since emancipation; bi-racial system; and problems of race relations. *Five hours a week, fall quarter.* Professor Johnson.

186. POPULATION. (5).

A study of problems of quality and quantity of population including theories of population increase, and problems of race, immigration, and eugenics. *Five hours a week, spring quarter.* Professor Woofter.

192. CRIME. (5).

Nature and causes of crime; evolution of modern methods of criminal procedure; administration of penal and reformatory institutions; programs for the social treatment of the criminal; the problems of juvenile delinquency. The class work will be supplemented by field trips to criminal courts and penal institutions. *Five hours a week, spring quarter.* Professor Brooks.

193. SOCIAL PATHOLOGY. (5).

The content and method of this course provide for careful coördination with courses on crime, juvenile delinquency, and general social problems. Its emphasis therefore is on poverty and relief. Minor but intensive study will be given to such social ills as mental defect and disease, alcoholism, prostitution, and vagrancy. Emphasis is given to methods of treatment by private and public institutions and agencies. Class work is supplemented by field trips to county and state institutions. *Five hours a week, fall quarter.* Professor Meyer.

198. JUVENILE DELINQUENCY. (5).

This course deals with the diagnosis and treatment of juvenile delinquency from the social worker's viewpoint. Under diagnosis will be taken up the methodology of the social scientists in this field, and the evaluation of the different causative factors of juvenile delinquency. Under treatment will be covered the work of the juvenile court, probation, parole, and institutional care. *Five hours a week, fall quarter.* Professor Sanders.

Courses Primarily for Graduates

208. METHODS IN SOCIAL RESEARCH. (5).

Outlines of social research including the spirit of scientific research, social research, and the new alignment of the social sciences; the historical approach to the social sciences; the qualifications of the social research specialist; the divisions and general methods of social science; types of method and approach; the statistical, the survey, the experimental, the case; the biological, the psychological, the anthropological or comparative, the historical. The range of general sources, research agencies, and groups, reading and bibliography as tools, the utilization of notes and records, schedules, questionnaires, and forms, common sense technique, preparation of manuscript and publication, examples of social research, and bibliographies. *Five hours a week, fall quarter.* Professor Odum.

209. SOUTHERN REGIONAL SOCIAL PROBLEMS. (5).

An extended survey of the field of regional social problems in the Southern States classified and grouped under certain sociological categories and phy-

sical backgrounds, cultural patterns, processes of social change, social incidence, individual and social differentiation, institutions and leadership, social programs, social science, and social research. Topical analysis and extensive questions supplemented with concrete data and special thorough study of given selected problems. *Five hours a week, winter quarter.* Professor Odum.

210. FOLK SOCIOLOGY. (5).

A study of collective representations and processes attempting descriptive accuracy primarily through portraiture and analyses. The primary basis of the course will be concrete materials related to folk attitudes and cultures, ranging from primitive folklore and folk wisdom to regional culture patterns. The chief objective is an attempt to seek certain contributions to social theory as related to the building of cultures. *Five hours a week, spring quarter.* Professor Odum.

215. SOCIAL DEMOGRAPHY. (5).

The course attempts to synthesize the emerging concepts of culture and the region by depicting the resulting cultural landscape. The contributions of cultural anthropology, social geography, regional sociology, and human ecology are studied in an effort both to evaluate the socially significant factors of the environment and to arrive at a classification of regions, culture areas, and social types. The American South is used as a type study for the survey of regions in transition. *Five hours a week, spring quarter.* Professor Vance.

253. ADVANCED SOCIAL TECHNIQUE. (5).

This is a seminar course on the application of statistical method to social phenomena. Required of all candidates for graduate degrees. *Five hours a week, winter quarter.* Professor Woofter.

327, 328, 329. GRADUATE RESEARCH SEMINARS. (5 each).

Research in selected topics. *Five hours a week, fall, winter, and spring quarters.* Professor Odum.

331, 332, 333. GRADUATE RESEARCH SEMINARS. (5 each).

Research in selected topics. *Five hours a week, fall, winter, and spring quarters.* Professor Groves.

341. SEMINAR. (5).

Individual research in a special field under the direction of a member of the department.

DEPARTMENT OF ZOÖLOGY

Professors WILSON, COKER; Associate Professor BEERS; Teaching Fellow WILLIAMS; Assistants MISS BOLIEK, MESSRS. ODUM, ROWE, SENSENBACH.

Courses for Undergraduates

41a. FUNDAMENTALS OF ANIMAL BIOLOGY. (3). Required accompanying course, Zoölogy 41b. Credit with 41b, 6 quarter hours.

Principles of biology; elements of anatomy, physiology, and classification of vertebrate animals. Sophomore elective. *Three hours a week, fall or winter quarter.* Professor Coker.

41b. PRACTICAL STUDIES IN ANIMAL BIOLOGY. (3). Required accompanying course, Zoölogy 41a. See above for credit.

Dissection of animals and study of tissues, as necessary for an understanding of the organization and functions of vertebrate animals and especially of man. Sophomore elective. *One lecture and four laboratory hours a week, fall or winter quarter. Laboratory fee, \$5.00.* Professor Coker; Assistants.

42a. DEVELOPMENT OF ANIMALS. (3). Prerequisite, Zoölogy 41ab.

Basic facts and theories of individual development, heredity, and evolution. Sophomore elective. *Three hours a week, spring quarter.* Professor Wilson.

42b. INVERTEBRATE ZOÖLOGY. (3). Prerequisite, Zoölogy 41ab.

Study of invertebrate animals as examples of the varied forms of life and as concrete illustrations of the principles of biology. Field trips are made for the purpose of observing animals in nature. Sophomore elective. *One lecture and four laboratory hours a week, spring quarter. Laboratory fee, \$5.00.* Professor Coker; Assistants.

Courses for Graduates and Advanced Undergraduates

103. COMPARATIVE ANATOMY OF VERTEBRATES. (5). Prerequisite, Zoölogy 41ab and 42ab.

Dissection of types especially amphioxus, petromyzon, fish, fowl, rabbit. Laboratory work with occasional lectures. *Ten laboratory hours a week, fall quarter. Laboratory fee, \$5.00.* Professor Beers.

104. COMPARATIVE EMBRYOLOGY OF VERTEBRATES. (5). Prerequisite, Zoölogy 41ab and 42ab.

Maturation and fertilization phenomena in some invertebrate types; segmentation and formation of germ layers in frog and teleost fish; germ layers and development of characteristic vertebrate organs in chick; essentials of microscopic technique. Laboratory work with occasional lectures. *Ten laboratory hours a week, winter quarter. Laboratory fee, \$5.00.* Professor Beers.

105. COMPARATIVE HISTOLOGY OF VERTEBRATES. (5). Prerequisite, Zoölogy 104.

Microscopic preparations of selected tissues and organs are made from the fresh animal and studied with the help of texts and original papers. Laboratory work with assigned readings and seminar reports. *Ten laboratory hours a week, spring quarter. Laboratory fee, \$5.00.* Professor Beers.

106-107-108. MORPHOLOGY AND CLASSIFICATION OF THE INVERTEBRATES. (15). Prerequisite, Zoölogy 41ab and 42ab.

Dissection and microscopic study of types of the chief orders, with some consideration of life histories; systematic diagnosis. Basic course for all advanced work in Zoölogy. Laboratory work with occasional lectures. *Ten laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$5.00 a quarter.* Professor Wilson.

109. INTRODUCTION TO HYDROBIOLOGY. (5). Prerequisite, Zoölogy 41ab and 42ab.

A study of animal life in water, with special reference to the relation of animals to each other and to their environments. Field and laboratory work, lectures, reading of special papers, discussions. *Ten laboratory hours a week, fall quarter. Laboratory fee, \$5.00.* Professor Coker.

110. PARASITOLOGY (MEDICAL ZOÖLOGY). (5). Prerequisite, Zoölogy 41ab and 42ab.

A consideration of the structure, classification, and life histories of the protozoa and worms of medical importance and of the arthropods which either cause disease directly or which transmit the bacteria, protozoa, and worms of disease. *Lectures and demonstrations, five hours a week, winter quarter.* Professor Beers.

Courses Primarily for Graduates

209-210-211. GENERAL EMBRYOLOGY AND REGENERATION. (15 or more).

Embryology and regeneration in the lower metazoa and simpler vertebrates. *Not less than ten laboratory hours a week, fall, winter, and spring quarters. Seminar reports. Laboratory fee, \$5.00 a quarter.* Professor Wilson.

212-213-214. HYDROBIOLOGY. (15). Prerequisite, Zoölogy 109.

The study of aquatic organisms and environments, with attention restricted to a particular topic, as a small group of animals, a limited set of habitats, or special phenomena of behavior. The work is on the border line of research, involving critical examination of literature, as well as field and laboratory study and seminar reports. *Ten laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$5.00 a quarter.* Professor Coker.

215. PROTOZOÖLOGY. (5).

Special study of the protozoa living in man and lower animals, with consideration of host-parasite relationships and with comparative studies on a few free-living forms. Laboratory work with occasional lectures, assigned readings, and seminar reports. *Ten laboratory hours a week, fall or spring quarter. Laboratory fee, \$5.00.* Professor Beers.

316. RESEARCH. (3 or 5 or more).

Under this heading may be credited the work of a single quarter or that of one or more years. *Six or ten or more laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$3.00 or \$5.00 a quarter.* Professor Wilson or Professor Coker or Professor Beers.

PART FOUR

THE DIVISION OF ADMISSIONS AND RECORDS
THE DIVISION OF STUDENT WELFARE
THE COLLEGE OF LIBERAL ARTS
THE SCHOOL OF APPLIED SCIENCE
THE SCHOOL OF ENGINEERING
THE SCHOOL OF COMMERCE
THE SCHOOL OF PUBLIC ADMINISTRATION
THE GRADUATE SCHOOL
THE SUMMER SCHOOL
THE UNIVERSITY EXTENSION DIVISION

THE DIVISION OF ADMISSIONS AND RECORDS

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President*.
ROBERT BURTON HOUSE, A.M., *Dean of Administration*.
THOMAS JAMES WILSON, JR., Ph.D., *Dean*.

*THE ADMINISTRATIVE BOARD

ALLAN WILSON HOBBS, Ph.D. DUDLEY DEWITT CARROLL, M.A.
RALPH WALTON BOST, Ph.D. FRANCIS FOSTER BRADSHAW, Ph.D.
WILLIAM JASPER MILLER, S.M.E.E. ROBERT BURTON HOUSE, A.M.
BEN HUSBANDS, A.B., *Secretary*.

GENERAL STATEMENT

Since the conclusion of the World War the University has experienced such a growth both in numbers and in breadth of policy and influence that it has been found necessary in many ways to revise and modify previously existing modes of action. From this influence came in March, 1920, the proposals of the University Advisory Committee with reference to the more definite organization of separate schools or faculties and the establishment of administrative boards for these separate schools. The proposals were adopted.

After about ten years it was generally felt that developments subsequent to the above action had led to practices and procedures

* In matters involving any of the schools of Law, Medicine, Pharmacy, the Graduate School, the School of Public Administration, or the School of Library Science the Dean or Director of the school concerned will sit as an active member of the Administrative Board.

not in strict accord with the plans adopted in 1920. After full investigation and discussion by the Advisory Committee and the Administrative Officers of the University new regulations designed to make effective the original legislation of 1920 were proposed to the General Faculty and were adopted.

By these regulations the Special Faculties of Law, Medicine, Pharmacy, Engineering, and of the Graduate School and the Undergraduate Faculty were definitely provided and their jurisdictions, powers, and duties were defined. At the same time were settled the status, powers, and duties of the Administrative Boards of all schools and divisions. See Catalogue for 1930-1931, page 30 and following. Schools organized subsequently, such as Library Science and Public Administration, have similar arrangements.

The division named at the head of this section was organized in 1931 for the purposes indicated by its title in order still further to organize and make more effective existing agencies for the promotion of the good of the University. This division was at first appointed (and with a somewhat different personnel) as the Committee on Admissions, with instructions to investigate and discuss conditions along this line and to make a report to the President.

Following the formal report made on the deliberations and recommendations of the above committee the work was felt to be of enough importance to justify the organization of a division with a dean and administrative board and with a province embracing not only matters of admissions but those of general administration of regulations also. In the matter of admissions it is expected that the Administrative Board of this division will at its regular and special meetings continually keep a live and constructive interest in the establishment of policies and plans for improving the quality of our student body.

The other part of the work of the division is concerned with the general administration of the regulations of the University as they apply to students in the College of Liberal Arts and the other undergraduate divisions. Without a central body to control and direct this, inconsistencies in administration and decided variations in the application of regulations necessarily result. It is expected that the Dean with the help of the Administrative Board will settle such matters with fairness and at the same time with sympathetic justice.

THE DIVISION OF STUDENT WELFARE

GENERAL STATEMENT

The Division of Student Welfare was established to coördinate and promote the work of all University agencies and organizations affecting the welfare of students. Its work is understood to embrace all University relationships with students other than formal instruction. These relationships all have educational significance and are recognized as an integral part of the educational program of the University.

In recent years of University growth many agencies have come into existence to promote in various ways the wholesome growth of students and student life. To relate most effectively the respective functions of such agencies and to focus the entire guidance resources of the institution on the particular needs of students both as individuals and as groups is the responsibility of this division through its Administrative Board.

*THE ADMINISTRATIVE BOARD

ALLAN WILSON HOBBS
MRS. MARVIN HENDRIX STACY
DUDLEY DEWITT CARROLL
ROBERT BURTON HOUSE
WILLIAM MORTON DEY
WILLIAM STANLEY BERNARD
ENGLISH BAGBY
HARRY FULCHER COMER
WALTER REECE BERRYHILL

ROBERT BAKER LAWSON
ROBERT ALLISON FETZER
J. MARYON SAUNDERS
LIVINGSTON BERTRAM ROGERSON
CARL SNAVELY
EDWARD MCGOWAN HEDGPETH
HARPER BARNES
FRANCIS FOSTER BRADSHAW,
Chairman

Because of the intimate relationship of this division to student life, there is an Advisory Board composed of students appointed annually by the President of the University on the joint nomination of the President of the Student Body and the Chairman of the Board. The following students were appointed for 1934-1935:

ALONZA THOMAS DILL
FRANK WILLINGHAM
SIMMONS PATTERSON
RUFUS ADOLPHUS POOL

JOSEPH J. SUGARMAN
JULIAN DALLAS WINSLOW
ELIZABETH JANE DURHAM
ORIN HAYWOOD WEEKS

VIRGIL STOWE WEATHERS, *Ch'm'n.*

* The President and the Dean of Admissions are *ex officio* members of this Administrative Board.

REVISION OF THE CURRICULUM

GENERAL STATEMENT

The University of North Carolina at Chapel Hill has for the past two years been in the process of revising its courses of study in terms of a basic two-years for Freshmen and Sophomores, a more orderly plan of study in the upper two years for Juniors and Seniors, and recognition of the special needs of pre-medical, chemical, and geological courses.

The outcome to date has been:

- (1) A reorganization of the courses of study for Freshmen and Sophomores, designed to bring more unity and continuity of learning and thinking into the intellectual lives of these beginners. Emphasis on English, social science, natural science, one foreign language, all arranged on a two-year program; mathematics or Greek or Latin for one year; one other subject to be chosen by each student individually, comprise the plan of study for the first two years.
- (2) The work of the Junior and Senior years has been reorganized by the formation of four divisions in the faculty; namely, Humanities, Natural Sciences, Social Sciences, and Commerce, with the departments of Philosophy and Education having responsibilities in more than one of these divisions. A program of study in each of the upper divisions is passed upon by the division itself but the department in which the student is primarily interested may suggest a program for a student, the division itself may suggest a program, or if the student has suggestions of his own they will be considered in fixing his program. All programs of study are subject to the approval of the Administrative Board of the College or the School concerned. Graduation will depend upon successful completion of work in courses and upon a comprehensive examination successfully passed in each student's major subject.

Two general types of variation from the plan are provided for:

- (1) Special courses, as in Applied Science and Engineering, Pharmacy, courses preparatory to Medicine, and in some degree courses in Music, may begin specialized training somewhat earlier than the Junior year.
- (2) Some students who find that they will not fit into any plan of study generally arranged for will be given special assistance in working out their own plans of study, in consultation with their deans and with the personnel office of the University.

In general it is hoped that the average student will in the first two years attain competence in language as a tool and as culture; in natural science, as understanding himself in the physical world; in social science in comprehending the civilization of which he is a part; and in mathematics or Greek or Latin as intellectual discipline and culture. Incidentally, it is hoped that the program of the first two years will give more unity and completeness to the efforts of those students who may not be able to go further in college. Those who intend to go on to graduation will be guided in their specialization so as to gain some mastery of the subject in which they are particularly interested and some knowledge of the relation of these subjects to the whole world of knowledge.

The whole purpose of this reorganization is to give more spiritual, intellectual, social, scientific, and practical meaning to each year of a student's life in the University.

In the freshman year a general course in social science and one in biological science will be required of each general academic student. This course in social science is outlined below and will be offered in 1935-1936 for the first time. The course in biological science has not yet been completely formulated. For the present the freshman student may select as a substitute beginning courses in botany, chemistry, or geology.

Freshman Course in Social Science

1-2-3. SOCIAL SCIENCE. (9).

This course undertakes to assist the student in developing an understanding of the nature and complexity of our present civilization, particularly in its social, political, and economic aspects. Since the present institutional system is a development from the past, the historical approach is used. *Three hours a week, every quarter.* Professors Vance, Robson; Messrs. Russell, Johnson, Pegg, and others.

THE COLLEGE OF LIBERAL ARTS

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*

ROBERT BURTON HOUSE, A.M., *Dean of Administration.*

ALLAN WILSON HOBBS, Ph.D., *Dean.*

*THE ADMINISTRATIVE BOARD

GEORGE HOWE, Ph.D.

ROBERT HASLEY WETTACH,

WILLIAM FREDERICK PROUTY,

A.M., S.J.D.

Ph.D.

HOWARD RUSSELL HUSE, Ph.D.

EDGAR WALLACE KNIGHT, Ph.D.

CORYDON PERRY SPRUILL, A.B.,

MITCHELL BENNETT GARRETT,

B.Litt. (Oxon.)

Ph.D.

GEORGE RALEIGH COFFMAN, Ph.D.

JOHN NATHANIEL COUCH, Ph.D.

REQUIREMENTS FOR ADMISSION

See page 44.

EXPENSES

See pages 47-51.

GENERAL STATEMENT

Historical Background

From the earliest founding of higher education in America, Colleges of Liberal Arts have played a responsible and major part in the training of citizens for the varied activities of life. For many years prior to our recent enthusiasm for specialization these colleges were the only form of higher education, the belief being that a man trained adequately in intellectual *habits* and given a sufficient cultural background had the best possible equipment for entering life and the professions. In recent years with the intense specialization of careers and the narrowing of departments of thought, the college has stood for the more liberalizing courses, as distinguished from specialized vocational or professional training, in the conviction that a trained mind is still a desideratum in contemporary life.

The position of the College of Liberal Arts at the University of North Carolina is analogous to that of similar colleges in others of America's better institutions—it is the original unit of education from which other schools have sprung.

In brief, it must be said that the purpose of the College of Liberal Arts is to secure for the students intellectual development and intelligent action through the pursuit of learning which is of three types: preparatory, cultural, and vocational. And the end towards which these studies point is a development of all inherent powers, the discovery of latent capacities, and the ability to express intelligently

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

one's own will, one's own ideas, and one's own emotions. From a full use of these opportunities should result a greater enrichment of the individual life and a more intelligent, a more thoughtful citizenship.

CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF ARTS

The curriculum leading to the degree of Bachelor of Arts is designed to provide a general, well-rounded, liberal education.

In order to be recommended for the degree a student must pass satisfactorily and in accordance with the qualitative standard in force the work prescribed for the lower division and at least ninety (90) quarter hours in the upper division, including the prescribed subjects listed below and elective subjects in accordance with the requirements stated. In his senior year each student must also pass a comprehensive examination in the department of his major study. In case required freshman courses are taken after the student begins his seventh quarter or required sophomore courses are taken after he begins his tenth quarter, half credit only is allowed.

In the first two years the student pursues a more or less definite curriculum in the following subjects:

English, three hours a week for two years; one foreign language, three hours a week for two years; social science, three hours a week for two years; mathematics or Latin or Greek, three hours a week for one year; science, three hours (plus laboratory) a week for two years; one elective course, three hours a week for one year.

Beginning with the junior year the work is on an elective basis, providing what is deemed a proper amount of concentration in study and, at the same time, a certain distribution of subjects.

Students who expect at some time to carry out investigation in any science or scientific profession, such as medicine or engineering, are earnestly recommended to enter upon their senior year with a reading knowledge of German and French.

Attention is called to the curricula leading to A.B.-LL.B. (Part Five), the A.B. in Journalism, and to the work outlined for Degrees with Distinction.

Certain work in the School of Law or the School of Medicine may be counted towards the degree of Bachelor of Arts. The interested student should consult the Dean of the College of Liberal Arts or the Registrar of the University.

The work of the first two years is the same for all students except those in the Schools of Engineering, Applied Science, and Pharmacy. This means that they have the same choices, not that they must take identical work. Students in the first two years will normally take five subjects.

Freshman Year

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1) English 1-2-3 | (2) Social Science 1-2-3 |
| (3) Choose one from
(See note below) | (4) Choose one from
(See note below) |
| <div style="display: inline-block; vertical-align: middle;"> <div style="display: flex; align-items: center;"> <div style="font-size: 3em; margin-right: 5px;">{</div> <div> Mathematics 1-2-3
 Greek 11-12-13
 Latin 11-12-13 </div> </div> </div> | <div style="display: inline-block; vertical-align: middle;"> <div style="display: flex; align-items: center;"> <div style="font-size: 3em; margin-right: 5px;">{</div> <div> French 11-12-13
 German 11-12-13
 Greek 11-12-13
 Latin 11-12-13
 Spanish 11-12-13 </div> </div> </div> |
| (5) Choose one from | <div style="display: inline-block; vertical-align: middle;"> <div style="display: flex; align-items: center;"> <div style="font-size: 3em; margin-right: 5px;">{</div> <div> Biology 1-2-3
 Chemistry 1-2-3
 Geology 11-12-13 </div> </div> </div> |

NOTE: Students who wish to take Greek or Latin rather than Mathematics in number 3 above are supposed to have presented at least two units in the language chosen in order to be able to take the course numbered 11-12-13. Students who have not had as much as two years of high school preparation in the language chosen must take the course numbered 1-2-3 which has six class meetings each week for the year. The same is true for all the languages in number 4 above.

Provision will be made for students who present for entrance more than the required fifteen units, and who have taken in high school, or elsewhere, work which is essentially equivalent to some of the work of the freshman year in the University, to take examinations in such work as the Dean of the Lower College deems advisable. The successful passing of such examinations will entitle the student to take sophomore courses during the first year or to take other courses in the first year program which he could not otherwise take. Application for such examinations must be made to the Dean of the Lower College before the first of September of the year the student expects to enter.

It is expected that beginning with the year 1936-37 the freshman science will be biology but until the necessary equipment is available freshman will be allowed to take any of the sciences open to freshman now and in exceptional cases any sophomore science.

Sophomore Year

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1) English 21-22-23 | (2) Foreign Language 21-22-23
(Continuing the one chosen in the first year) |
| (3) Choose one from | (4) Choose one from |
| <div style="display: inline-block; vertical-align: middle;"> <div style="display: flex; align-items: center;"> <div style="font-size: 3em; margin-right: 5px;">{</div> <div> Economics 31-32-33
 Government 31-32-33
 History 44-45-46
 History 47-48-49
 Philosophy 21-22-23
 Sociology 31-32-33 </div> </div> </div> | <div style="display: inline-block; vertical-align: middle;"> <div style="display: flex; align-items: center;"> <div style="font-size: 3em; margin-right: 5px;">{</div> <div> Botany 41 and Zoöl. 41
 Botany 11-12-13
 or 41 and 43
 Chemistry 1-2-3
 or 4-5 or 31 and 41
 Geology 11-12-13
 Physics 21-22-23
 Psychology 21-22-23
 Mathematics 21-22-23
 Zoölogy 41 and 42 </div> </div> </div> |
| (5) One free elective—3 hours a week
for the year | |

NOTE: The free elective should be chosen with a view to the student's probable interests and aptitudes in relation to the work of the upper two years. This is a key course and should be chosen with great care and only after discussion with the Dean of the Lower College. The courses available for this elective are all courses in the curriculum of the Lower College. In special cases students may be allowed to take a more advanced course but only with the approval of the Dean of the Lower College and of the Department in which the work desired falls.

NOTE: Students who expect to take their major work in Music will follow a slightly different program from that outlined above in order that they may begin the study of Music in their first year. They must take the English and foreign language in both the first and second years along with two courses in Music. This makes it necessary for such students to postpone two of the regular freshman subjects. One of these must be taken in the second year. The other, together with those postponed from the second year, must be taken during the junior year. This can be done by using the free electives for the purpose.

NOTE: Attention is called to credits attainable by any student in the College of Liberal Arts for faithful participation in the various musical organizations. For details see regulations in regard to Applied Music under the Department of Music.

SYSTEM OF ELECTIVES

For the purpose of providing the proper concentration for the junior and senior years the subjects of the curriculum have been grouped under four Divisions; the Division of the Humanities, the Division of Natural Science, the Division of Social Science, and the Division of Commerce. At the end of a student's second year he must choose one of the Divisions for his major work during his last two years. Having made his choice his work will be directed by the Chairman of the Division chosen. In general he will be expected to take one-third of his work in one Department, one third in allied Departments in the same Division, and one third elective in other Divisions. It is understood that if no program of a Division meets the needs of a student he may submit a program of his own, which he may follow if it meets with the approval of the Division chosen for his major work.

Before being eligible for a degree, a senior must pass to the satisfaction of his major department, a comprehensive examination in the subject of his major. This examination will normally be given in the winter quarter of the senior year.

CURRICULUM LEADING TO THE DEGREE OF A.B. IN JOURNALISM

The course of study for the first two years is the same as that required of other candidates for the A.B. degree.

The following courses are specified in the junior and senior years:

English 52 or 53 or 54.

Economics 31-32-33.

American Government and one other course in Government or Political Science to be approved by the Head of the Department.

History 47-48-49 in American History or two courses in North Carolina History.

Commerce, a course in Advertising given by the School of Commerce.

Four and one-half courses in Journalism.

Elective, six and one-half courses. While it is suggested that these might well come from Economics, Philosophy, English, or Foreign Languages, it is understood that they are not restricted and the student is free to take his choice from any courses of junior or senior grade in the College of Liberal Arts.

DEGREES WITH DISTINCTION

Honors of two grades, *Honors* and *Highest Honors*, will be awarded at Commencement to those candidates for the degree of Bachelor of Arts who have done distinguished work in a group of related subjects. Every candidate for Honors must register as such before the end of the first quarter of his junior year with the Dean of the College of Liberal Arts. He shall file a statement, properly approved, of the courses which he proposes to elect, and these electives shall be such as to show a unified plan and to provide for a field of concentrated study involving, as a rule, two departments within the division

in which his major work lies. In connection with the regular courses, candidates are expected to do, in term-time and in vacations, a considerable amount of additional reading, or such other supplementary work as may be prescribed by the department. In every case such additional work must be closely related to the general plan of study adopted by the candidate. Students will have the guidance and assistance of special instructors, and small groups will be formed for the discussion of the reading and of the courses. This tutorial assistance will be entirely independent of the conduct of the courses, the object being to stimulate interest in reading not required as a part of the regular class work for its cultural value rather than for direct preparation for examinations.

Besides the careful organization of the plan of study and the conferences, a thesis and a final oral examination are required. The thesis need not necessarily be a contribution to knowledge, but is designed to show the ability of the student to use his knowledge with intelligence and to interpret facts and his personal reaction upon the material studied in the courses or derived from the supplementary reading. The examination will test the candidate's knowledge of the whole field of concentrated study, and will also test his proficiency in a special topic, within the general field. The aim of the entire plan of study is thus to secure, as far as possible, a conception of a field of learning as a unity; to prevent, through the various measures named above, undue emphasis on the separate courses as independent units; and to lay the foundation for right methods through concentrated study in some part of the field.

The administration of the Honors courses is vested in a Committee on Degrees with Distinction, which consists of representatives from each of the three divisional groups into which the Faculty of the College of Liberal Arts is divided. At present Honors are offered in the Division of Languages and Literature and in the Department of History and Government.

THE SCHOOL OF APPLIED SCIENCE

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*

ROBERT BURTON HOUSE, A.M., *Dean of Administration.*

RALPH WALTON BOST, Ph.D., *Acting-Dean.*

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CHARLES STAPLES MANGUM, A.B.,
M.D.

REQUIREMENTS FOR ADMISSION

See page 44.

EXPENSES

See pages 47-51.

CURRICULA FOR THE DEGREE OF BACHELOR OF SCIENCE

In order to be recommended for the degree of Bachelor of Science in this School the student must have passed satisfactorily in all the studies required in one of the following curricula outlined in this department. Each curriculum combines instruction in certain sciences and their application to the arts, with certain other general studies deemed essential to a liberal education. These curricula are designed to furnish the fundamental instruction for some of the technical professions. The curricula leading to the degree are three in number, as follows:

Bachelor of Science in Chemistry.

Bachelor of Science in Medicine.

Bachelor of Science in Geology.

In case required freshman courses are taken after the student begins his seventh quarter or required sophomore courses are taken after he begins his tenth quarter, half credit only is allowed.

Besides the curricula leading to degrees as shown above, this School offers a curriculum preparatory to the study of dentistry. Outlines of the curricula leading to degrees and of this preidental curriculum are given below.

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

BACHELOR OF SCIENCE IN CHEMISTRY

FRESHMAN YEAR

Fall Quarter: Chemistry 4, Mathematics 1, English 1, German 11.

Winter Quarter: Chemistry 5, Mathematics 2, English 2, German 12.

Spring Quarter: Chemistry 6, Mathematics 3, English 3, German 13.

SOPHOMORE YEAR

Fall Quarter: Chemistry 31, Mathematics 11, Physics 21, English 21, German 21.

Winter Quarter: Chemistry 41, Mathematics 12, Physics 22, English 22, German 22.

Spring Quarter: Chemistry 42, Mathematics 13, Physics 23, English 23.

JUNIOR YEAR

Fall Quarter: Chemistry 61, Geology 43, *Elective.

Winter Quarter: Chemistry 62, Geology 44, Chemistry 91.

Spring Quarter: Chemistry 92, English 51, Botany 41.

SENIOR YEAR

Fall Quarter: Chemistry 81, Chemistry 191, *Elective.

Winter Quarter: Chemistry 82, Chemistry 192, *Elective.

Spring Quarter: Chemistry 71, *Two Electives.

BACHELOR OF SCIENCE IN MEDICINE

NOTE: Students pursuing the academic subjects listed below are hereby notified that the completion of these courses does not necessarily mean admission to our School of Medicine. From the rather long list of applicants are chosen about forty who are deemed the most promising material for admission to our School. No arrangement exists for granting the degree of S.B. in Medicine for work in any medical school other than ours. Therefore, in order to secure our S.B. in Medicine, the student must complete the two years of work offered in our School of Medicine and in no other such school. To be eligible for the degree of S.B. in Medicine, at least the last year of pre-medical work must have been done in this institution.

FRESHMAN YEAR

Fall Quarter: Chemistry 4, English 1, Mathematics 1, †French 11 or German 11.

Winter Quarter: Chemistry 5, English 2, Mathematics 2, †French 12 or German 12.

Spring Quarter: Chemistry 31, English 3, Mathematics 3, †French 13 or German 13.

SOPHOMORE YEAR

Fall Quarter: Chemistry 42, English 21, Botany 41, †French 21 or German 21.

* All electives must be chosen after consultation with the Head of the Department.

† See footnote marked * on page 186.

Winter Quarter: Zoölogy 41, English 22, *French 22 or German 22, **Elective.

Spring Quarter: Zoölogy 42, English 23, *French 23 or German 23, **Elective.

JUNIOR YEAR

Fall Quarter: Physics 21, Psychology 21, Chemistry 61, **Elective.

Winter Quarter: Physics 22, Psychology 22, Chemistry 62, **Elective.

Spring Quarter: Physics 23, Psychology 23, **2 electives.

BACHELOR OF SCIENCE IN GEOLOGY

FRESHMAN YEAR

Fall Quarter: Chemistry 4, †English 9a, Geology 11, §Mathematics 1.

Winter Quarter: Chemistry 5, †English 9b, Geology 12, §Mathematics 2.

Spring Quarter: Chemistry 31, †English 9c, Geology 13, §Mathematics 3.

SOPHOMORE YEAR

Fall Quarter: Engineering 1a, ***Foreign Language, Geology 43, †Physics 21.

Winter Quarter: English 29, ***Foreign Language, Geology 44, Physics 22.

Spring Quarter: ***Foreign Language, Geology 15, Geology 133, Physics 23.

††SUMMER FIELD COURSES, Geology 48-49

JUNIOR YEAR

Fall Quarter: English 60a, ***Foreign Language or elective, Geology 181, || Elective.

Winter Quarter: English 60b, ***Foreign Language or elective, Geology 121, || Elective.

Spring Quarter: English 60c, ***Foreign Language or elective, Geology 105, || Elective.

* The intermediate courses (11-12-13) in French or German or both are to be taken provided the student shows evidence of adequate preparation; otherwise he takes the elementary courses (1-2-3) in the language or languages. The elementary courses, meeting six hours a week, are designed to cover both the elementary and intermediate work. In case both French and German are elected, the requirement is met in three quarters (courses 1-2-3 or 11-12-13); in case only one language is taken, courses 21-22-23 also must be completed, six quarters in all being required.

** Electives to the number needed to give at least 20 quarter hours of credit are required.

† A student preferring the English required for the A.B. Course may substitute English 1, 2, 3, 21, 22, 23 for English 9abc, English 29, and English 60abc.

§ A student may take Mathematics 1E, 2E, 3E instead of Mathematics 1, 2, 3 if he so desires.

† Physics 21E, 23E, 22E may be taken in place of 21, 22, 23.

*** If a student has had two years of French or Spanish in preparatory work, he may fulfill the language requirement by substituting German 1, 2, 3 for French 11, 12, 13 or Spanish 11, 12, 13.

†† Must be taken before graduation.

|| All electives must be chosen after consultation with the head of the department and the professor in charge of the student's special program of work. The electives are not free electives.

SENIOR YEAR

Fall Quarter: Geology 111, ||2 electives.

Winter Quarter: ||3 electives.

Spring Quarter: ||2 electives.

PREDENTAL CURRICULUM

(Suggested Two Year Curriculum)

FRESHMAN YEAR

Fall Quarter: Chemistry 4, English 1, Mathematics 1, *French 11 or German 11.

Winter Quarter: Chemistry 5, English 2, Mathematics 2, *French 12 or German 12.

Spring Quarter: Chemistry 31, English 3, Mathematics 3, *French 13 or German 13, Botany 41.

SOPHOMORE YEAR

Fall Quarter: English 21, Psychology 21, Physics 21, Zoölogy 41.

Winter Quarter: English 22, Psychology 22, Physics 22, Chemistry 61.

Spring Quarter: English 23, Psychology 23, Physics 23, Zoölogy 42.

Students preparing for the study of dentistry are advised to follow the curriculum outlined above. It is recommended, however, that they secure at least the equivalent of one course in drawing. At present Schools of Dentistry vary as to entrance requirements from graduation from a high school to two years of college work. Those requiring one year of college work set as a minimum the completion of the following subjects in the amounts stated: Six semester hours in each of the following—English, general chemistry, biology, college physics (unless 1 unit was presented for entrance), and one subject from foreign language, history, mathematics, technical drawing. The remaining hours are free electives.

The curriculum outlined below, while not so complete as the two-year course above, is planned to meet the entrance requirements of schools of dentistry which admit students who have had one year of college work. If the applicant has presented one full unit of credit in physics from his high school, Physics 21-22-23 are not required but are strongly recommended. In case Physics 21-22-23 are not taken the student is required to take other courses of college grade in order to make his total credits sufficient to meet the requirement of thirty semester hours.

|| See footnote thus marked on page 186.

* In case the student does not qualify for French 11-12-13 or German 11-12-13, he may secure the same credit by taking the six-hour courses (French 1-2-3 or German 1-2-3).

The predental student who has selected the dental school in which he desires to do his work should secure a catalogue of such school note well its requirements, and conform his predental training to them.

ONE YEAR PREDENTAL CURRICULUM

Fall Quarter: Chemistry 4, English 1, Mathematics 1, Botany 41.

Winter Quarter: Chemistry 5, English 2, Mathematics 2, Zoölogy 41.

Spring Quarter: Chemistry 31, English 3, Mathematics 3, Physics 21.

Summer Quarter: Physics 22, Physics 23.

THE SCHOOL OF ENGINEERING

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*

ROBERT BURTON HOUSE, A.M., *Dean of Administration.*

†HERMAN GLENN BAITY, Sc.D., *Dean.*

WILLIAM JASPER MILLER, E.E., S.M.E.E., *Acting-Dean.*

*THE ADMINISTRATIVE BOARD

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GUSTAV THEODOR SCHWENNING,
Ph.D.

**ROBERT DIGGES WIMBERLY
CONNOR, Ph.B.

ALMONTE CHARLES HOWELL,
Ph.D.

ALLAN WILSON HOBBS, Ph.D.

ALFRED McLAREN WHITE, Sc.D.

ELMER GEORGE HOEFER, M.E.

SPECIAL STAFF

DUDLEY DEWITT CARROLL, M.A., *Professor of Economics.*

JOHN EMERY LEAR, E.E., *Professor of Electrical Engineering.*

THOMAS FELIX HICKERSON, A.M., S.B., *Professor of Civil Engineering.*

GEORGE MCFARLAND MCKIE, A.M., *Professor of Public Speaking.*

ALLAN WILSON HOBBS, Ph.D., *Professor of Applied Mathematics.*

ELMER GEORGE HOEFER, M.E., *Professor of Mechanical Engineering;*
Head, Department of Mechanical Engineering.

†HERMAN GLENN BAITY, Sc.D., *Professor of Sanitary and Municipal*
Engineering; Head, Department of Civil Engineering.

KARL HARTLEY FUSSLER, Ph.D., *Professor of Physics.*

JAMES TALMADGE DOBBINS, Ph.D., *Professor of Chemistry.*

WILLIAM JASPER MILLER, E.E., S.M. in E.E., *Professor of Electrical*
Engineering; Head, Department of Electrical Engineering.

GUSTAV THEODOR SCHWENNING, Ph.D., *Professor of Business Admin-*
istration.

MITCHELL BENNETT GARRETT, Ph.D., *Professor of Modern European*
History.

EARLE KEITH PLYLER, Ph.D., *Professor of Physics.*

ARTHUR SIMEON WINSOR, Ph.D., *Associate Professor of Mathematics.*

FLOYD HARRIS EDMISTER, Ph.D., *Associate Professor of Chemistry.*

JOE BURTON LINKER, Ph.D., *Associate Professor of Mathematics.*

ALMONTE CHARLES HOWELL, Ph.D., *Associate Professor of English.*

GEORGE WALLACE SMITH, M.S.E., *Associate Professor of Engineering.*

RALPH MCCOY TRIMBLE, C.E., S.M., *Associate Professor of Civil*
Engineering.

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of the Administrative Board.

** Resigned, October, 1934, to become Federal Archivist.

† Absent on leave, 1934-1935.

ALFRED McLAREN WHITE, Sc.D., *Associate Professor of Chemical Engineering; Head, Department of Chemical Engineering.*

MICHAEL ARENDELL HILL, A.M., *Associate Professor of Mathematics.*

WILLIAM ANDERSON OLSEN, A.M., *Assistant Professor of English.*

LOFTON LEROY GARNER, A.M., *Assistant Professor of Mathematics.*

COLIN CARMICHAEL, S.M., *Assistant Professor of Mechanical Engineering.*

CARL WILLIAMS BORGMANN, Ph.D. (Cantab.), *Assistant Professor of Chemical Engineering.*

JAMES OSLER BAILEY, Ph.D., *Instructor in English.*

ARTHUR RUSSELL HOLLETT, S.M.E., *Instructor in Civil Engineering.*

RAYMOND FRANKLIN STAINBACK, S.M.E., *Instructor in Electrical Engineering.*

EDWIN WEEMS WINKLER, S.B. in E.E., *Instructor in Electrical Engineering.*

THOMAS PASTEUR NOE, JR., S.M.E., *Instructor in Civil Engineering.*

CHARLES EDWARD FELTNER, S.M.E., *Instructor in Engineering.*

ROBERT LEE GARRETT, A.M., *Instructor in Mathematics.*

HERMAN EVERETTE SPIVEY, A.M., *Instructor in English.*

JOHN CHARLES GEYER, M.S.E., *Instructor in Civil Engineering.*

JAMES ROBERT MARVIN, S.B. in E.E., *Instructor in Engineering.*

JOHN ALLAN MACLEAN, S.B. in M.E., *Instructor in Mechanical Engineering.*

REQUIREMENTS FOR ADMISSION

See page 44.

EXPENSES

See pages 47-51.

HISTORICAL SKETCH AND DESCRIPTION OF COURSES

Courses in engineering of professional grade have been given at the University of North Carolina since the opening of the institution in 1795. In fact the first student of the University, Hinton James, after a distinguished career as a student, engaged in the successful practice of the profession. Prior to June, 1922, the courses in engineering were grouped in the School of Applied Science; but owing to a rapid development in engineering here, and due to the great need of well trained professional engineers, especially in the State of North Carolina, the Board of Trustees separated the Department of Engineering from the School of Applied Science and authorized the formation of a distinct school of engineering. In this school, at present, are included the Departments of Civil, Electrical, Mechanical, and Chemical Engineering.

The instruction offered in the School of Engineering consists of four-year curricula leading to the degrees of Bachelor of Science in

Chemical, Civil, Electrical, and Mechanical Engineering. Aeronautical Engineering is included in the Mechanical Engineering curriculum.

The degree of Master of Science in Engineering will be conferred on students who have satisfactorily completed approved graduate work extending over not less than one year. The course of studies leading to the Master's degree will be found in the catalogue of the Graduate School.

The importance of English in the curriculum has been emphasized and the courses are arranged so that students will receive instruction in English during each of the four years. Much attention is also given to training the students in public speaking. This is an acquired art, and a very successful adjunct of an engineering education. Engineers must necessarily be versed in business affairs; and to meet this condition students will devote considerable time to economics and business administration and management. During the first three years, the contents of the curriculum are practically the same for all engineering students. Fundamentals in mathematics, mechanics, and other sciences are contained in these first three years while the applications of these fundamentals are illustrated throughout the course by the solution of practical problems in engineering.

The intimate contact of engineering students with the academic students and the participation of the former in all University activities is regarded as a valuable part of their general training.

COÖPERATIVE ENGINEERING EDUCATION

For the past twenty years or more a great amount of time and thought has been devoted to engineering by engineering teachers and the profession at large with the idea in mind of adopting some method in engineering education which would develop the observation and initiative of the students and bring them in touch with outside things during their theoretical training. Criticism has often been directed by practising engineers against young engineering graduates that they did not have any grasp or conception of practical things after four or five years of theoretical training.

Realizing that the coöperative system of training young engineers is a distinct step forward, the Engineering School at the University of North Carolina adopted this plan of education in September, 1922.

Under this plan the students of the junior class, except those studying Chemical Engineering, are divided into two groups designated as Sections I and II. The students in each group spend half their time at the University and the other half in actual engineering work. Each student has an alternate so that when a student of Section I is at school his alternate in Section II is on the job. At definite intervals the student from Section II goes to school while his alternate in Section I takes his place on the job. This alternation continues throughout the junior year up to the latter part of September. Both sections attend the University full time during their senior year.

In order to compensate for the time that the students are away from school during the junior year, instruction is given to all engineering students for a period of twelve weeks in the summer following the sophomore year, and for twelve weeks in the summer following the junior year to coöperative Section II. Under this plan the students receive the same amount of school work as under the conventional four-year plan. The students receive pay for their services during the time that they are engaged in their outside work, thus enabling them partially to defray their expenses during their junior year.

Students in Chemical Engineering spend the junior year in residence. In lieu of coöperative work, they are expected to work for one summer in the plant of a chemical industry. The University will assist as far as possible in securing such summer positions.

Due to the existing economic situation which makes it impossible to secure an adequate number of coöperative positions of acceptable quality, the coöperative system is temporarily suspended. It will be resumed when justified by an improvement in general business conditions.

PROGRAMS OF UNDERGRADUATE STUDY

S.B. IN CHEMICAL ENGINEERING

FRESHMAN YEAR

Mathematics 1E, 2E, 3E; Chemistry 4, 5, 42; English 9abc; General Engineering 1abc, 6abc.

SOPHOMORE YEAR

Mathematics 24E, 25E, 26E; Chemistry 41; Physics 21E, 23E, 22E; English 29; General Engineering 26abc, 36abc; Chemical Engineering 91.

JUNIOR SUMMER SESSION

Economics 31-32; Chemistry 61, 62.

JUNIOR YEAR

History 85; English 59a, 59b; German 1-2-3; Chemistry 81, 182; General Engineering 56a; Chemical Engineering 92, 94; Electrical Engineering 52abc; Mechanical Engineering 53abc.

SENIOR YEAR

English 60abc; Commerce 51E, 52E, 53E; Chemistry 191, 192; Chemical Engineering 191, 194, 195, 196, 197. Electives, 10 quarter hours, from the following courses:

General Engineering 116a; Chemical Engineering 93abc; Civil Engineering 65a; Mechanical Engineering 48abc; Geology 11-12-13, 43-44; Chemistry 91, 92, 163, 164, 165, 183.

S.B. IN CIVIL ENGINEERING

FRESHMAN YEAR

Mathematics 1E, 2E, 3E; Chemistry 4, 5, 42; English 9abc; General Engineering 1abc, 6abc.

SOPHOMORE YEAR

Economics 31-32; Mathematics 24E, 25E, 26E; Physics 21E, 23E, 22E; English 29; General Engineering 26abc, 36abc; Civil Engineering 25a.

JUNIOR SUMMER SESSION

Civil Engineering 20ab, 60a.

JUNIOR YEAR

English 59a, 59b; History 85; General Engineering 56a; Civil Engineering 65a, 70a; Electrical Engineering 52abc; Mechanical Engineering 53abc.

SENIOR YEAR

English 60abc; Commerce 51E, 52E, 53E; Geology 77, 78; Civil Engineering 160abc, 165abc, 170abc, 175abc.

S.B. IN ELECTRICAL ENGINEERING

FRESHMAN YEAR

Mathematics 1E, 2E, 3E; Chemistry 4, 5, 42; English 9abc; General Engineering 1abc, 6abc.

SOPHOMORE YEAR

Economics 31-32; Mathematics 24E, 24E, 26E; Physics 21E, 23E, 22E; English 29; General Engineering 26abc; Civil Engineering 30a; Electrical Engineering 22ab.

JUNIOR YEAR

History 85; English 59a, 59b; General Engineering 56a; Civil Engineering 65a; Electrical Engineering 62abc; Mechanical Engineering 48a, 53abc, 68a.

SENIOR YEAR

English 60abc; Commerce 51E, 52E, 53E; Electrical Engineering 67ab, 77a or 87a, 97abc, 102a, 112a, 122a, 162abc.

S.B. IN MECHANICAL ENGINEERING

FRESHMAN YEAR

Mathematics 1E, 2E, 3E; Chemistry 4, 5, 42; English 9abc; General Engineering 1abc, 6abc.

SOPHOMORE YEAR

Economics 31-32; Mathematics 24E, 25E, 26E; Physics 21E, 23E, 22E; English 29; General Engineering 26abc, 36abc; Civil Engineering 30a.

JUNIOR YEAR

History 85; English 59a, 59b; General Engineering 56a; Civil Engineering 65a; Electrical Engineering 52abc; Mechanical Engineering 48a, 63abc, 66a, 68a.

SENIOR YEAR

English 60abc; Commerce 51E, 52E, 53E; Mechanical Engineering 78abc, 88abc; Mechanical Engineering 73a, 83a, 93a; Mechanical Engineering 166ab, 176a.

COURSES OF INSTRUCTION

The courses offered in the School of Engineering are described below under the general headings under which they naturally fall—General Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, and Mechanical Engineering.

The numbers in parenthesis following the descriptive titles indicate the credit values of the courses counted in quarter hours.

GENERAL ENGINEERING

Courses for Undergraduates

G.E. 1abc. MECHANICAL DRAWING AND DESCRIPTIVE GEOMETRY. (12).

Lettering and use of drawing instruments. Descriptive geometry, covering fundamental problems of the point, line, and plane and their application to problems of the intersection and development of surfaces. Problems in orthographic and isometric projections. *Two lecture and four laboratory hours a week, fall, winter, and spring quarters.* Professor Smith; Mr. Feltner.

G.E. 6abc. ELEMENTARY ENGINEERING PROBLEMS AND MECHANICS. (6). Corequisite, Mathematics 1-2-3E.

Elementary engineering problems with emphasis on engineering philosophy and methods. The basic principles of statics and elementary consideration of strength of materials, including friction, force, center of gravity, etc. This course correlates with first year Mathematics and drawing. *Two hours a week, fall, winter, and spring quarters.* Professor Trimble; Messrs. Hollett, Noe, Marvin.

G.E. 26abc. APPLIED MECHANICS. (9). Prerequisite, Mathematics 1-2-3E, General Engineering 6abc.

The fundamental conceptions of statics, kinematics, and kinetics; including resultants of force systems, equilibrium of force systems, friction, centroids, moments of inertia of areas and bodies, motion of a particle, motion of rigid bodies, force, mass and acceleration, work and energy, impulse and momentum. *Three hours a week, fall, winter, and spring quarters.* Professor Trimble; Messrs. Noe, Marvin.

G.E. 36abc. MATERIALS OF ENGINEERING. (9 for civil and chemical, and 6 quarter-hours for mechanical engineering students.)

Constitution, physical properties, and tests of the important materials, such as wood, cement, stone, iron, steel, etc., used in engineering construction; metallurgy of iron and steel and the more important alloys. Civil and chemical engineering students are required to take all lecture and laboratory work; mechanical engineering students are required to take lectures only. *Two lecture hours a week, fall quarter, two lecture and three laboratory hours a week, winter and spring quarters. Laboratory fee, \$4.00 a quarter for winter and spring.* Professors Trimble, Borgmann; Mr. Hollett.

G.E. 56a. THE STRENGTH OF MATERIALS. (For chemical engineering students 5; for civil, electrical, and mechanical engineering students, 6½). Prerequisite, Mathematics 24E-25E-26E, General Engineering 26abc.

Mathematical and mechanical analysis of the stresses and strains occurring in the materials of engineering structures and machines; including such topics as static central loads, thin-walled cylinders, riveted joints, resilience, stress and deformation due to torsional loads, stresses in beams, deflection of beams, combined axial and bending loads, columns, combined normal and shearing stresses, impact and energy loads. Parallel laboratory exercises comprise tests of brittle and ductile materials in direct and indirect stress, and of riveted and welded joints. Experimental determination of stresses and deflections in beams and columns, and the comparison of these results with calculated values. *Five lecture and three laboratory hours a week, fall or spring quarter. Laboratory fee, \$5.00.* Chemical engineering students do not take laboratory work or pay laboratory fee. Professor Hickerson; Mr. Noe.

Courses for Graduates and Advanced Undergraduates

G.E. 116a. CONTRACTS AND SPECIFICATIONS. (3).

A course covering the laws of contracts, a detailed study of methods of writing correct specifications, the matter of securing or submitting bids, and the subject of bid bonds. *Three hours a week, spring quarter.* Professor

Courses Primarily for Graduates

G.E. 256abc. ADVANCED STRENGTH OF MATERIALS. (10). Prerequisite, General Engineering 56a.

General theory of flexure, combined stresses, theory of thick-walled cylinders, flexure of plates and curved beams; and other theoretical and empirical matter on the general subject of strength of materials that is not treated exhaustively in the undergraduate curriculum of most engineering schools. *Three hours a week, fall and winter quarters; four hours a week, spring quarter.* Professor Smith.

CHEMICAL ENGINEERING

Courses for Undergraduates

Ch.E. 91. INTRODUCTORY CHEMICAL ENGINEERING. (6).

A survey course covering materials used in the construction of chemical equipment, search of literature, elementary calculations, etc. In the laboratory the students assist the seniors in carrying out studies of the unit operations. *Three lecture and six laboratory hours a week, spring quarter.* Professor White, Mr. Brenner.

Ch.E. 92. FUELS AND COMBUSTION. (5).

The basic principles of combustion, elementary heat, and material balances, and a study of solid, liquid, and gaseous fuels and their utilization. The laboratory includes standard tests on fuels, lubricants, and combustion bases, and also work on high temperature measurement. *Three lecture and six laboratory hours a week, winter quarter. Laboratory fee, \$10.00.* Professor Borgmann; Mr. Brenner.

Ch.E. 93abc. RESEARCH IN CHEMICAL ENGINEERING (Undergraduate). (3 quarter hours each). Open only to especially qualified students with the consent of the instructors.

Library and laboratory investigations with frequent conferences. *Fall, winter, and spring quarters. Laboratory fee, \$10.00 a quarter.* Professors White, Borgmann.

Ch.E. 94. PHYSICAL METALLURGY AND METALLOGRAPHY. (5). Prerequisite, Chemistry 81.

A study of the nature of metals and their alloys, with particular reference to the interpretation of equilibrium diagrams. The influence of heat treatment, composition, and mechanical work on the microstructure and physical properties of ferrous and non-ferrous alloys is discussed. A portion of the course is devoted to laboratory. *Four lecture and three laboratory hours a week, spring quarter. Laboratory fee, \$7.00.* Professor Borgmann; Mr. Old.

Courses for Graduates and Advanced Undergraduates

Ch.E. 191. CHEMICAL ENGINEERING LABORATORY. (4). Prerequisite, Ch.E. 194, 195; corequisite, Ch.E. 196.

Efficiency studies on chemical equipment, plant erection studies, and unit process work in the laboratory. *One lecture and six laboratory hours a week, spring quarter. Laboratory fee, \$10.00.* Professor White; Mr. Brenner.

Ch.E. 194-195-196. PRINCIPLES OF CHEMICAL ENGINEERING. (9). Prerequisite, Ch.E. 91, 94.

A study of the unit operations of chemical engineering, covering fluid flow, filtration, evaporation, distillation, etc. *Three hours a week, fall, winter, and spring quarters.* Professor White.

Ch.E. 197. CHEMICAL ENGINEERING CALCULATIONS. (5).

A study of material and heat balances in industrial processes. *Five hours a week, fall quarter.* Professor White.

Courses Primarily for Graduates

Ch.E. 291, 292, 293. SEMINAR IN CHEMICAL ENGINEERING. (3 each).

A discussion and library course. Selected topics in the field of chemical engineering will be considered. *Three hours a week, fall, winter, and spring quarters.* Professor White.

294-295-296. SEMINAR IN METALLURGY. (3 each).

A discussion and library course in which selected topics in the field of metallurgy and metallography will be considered. In 1934-1935 the subject included theories of hardness and advanced alloy diagrams. Professor Borgmann.

Ch.E. 391abc. RESEARCH IN CHEMICAL ENGINEERING. (16½).

Research towards an advanced degree, the subject of which must be approved by the professor in charge. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$10.00 a quarter.* Professors White, Borgmann.

CIVIL ENGINEERING

Courses for Undergraduates

C.E. 20ab. CIVIL ENGINEERING DRAWING. (5½). Prerequisite, General Engineering 1abc. For civil engineering students.

Lettering and titling, map and blue print reading, topographic and traverse plotting, computing, and estimating. *Summer camp.* Professor Trimble.

C.E. 25a. FIELD EXERCISES IN SURVEYING. (1½). Prerequisite, Mathematics 1-2-3E. For civil engineering students.

Practice in the use of tape, level, transit, and minor equipment, supplemented by the solution of field problems. *Three laboratory hours a week, fall quarter. Laboratory fee, \$4.00.* Mr. Hollett.

C.E. 30a. ELEMENTARY PLANE SURVEYING. (2½). Prerequisite, Mathematics 1-2-3E.

An elementary course in the use of surveying instruments and a general treatment of the field of plane surveying. For students in electrical and mechanical engineering. *One lecture and three laboratory hours a week, fall or spring quarter. Laboratory fee, \$4.00.* Professor Trimble; Instructor.

C.E. 35a. SURVEYING AND PLOTTING FOR NON-ENGINEERING STUDENTS. (6). Prerequisite, Mathematics 1-2.

Methods of using the compass, transit, tape, and level in making ordinary surveys for land boundaries, acreage, volumes, profiles, and the establishment of lines in their true position. It involves field measurements of distances and angles, the plotting and description of maps from such data, and the computation of areas, volumes, grade lines, true meridian, etc. *Three lecture and six laboratory hours a week, spring quarter. Laboratory fee, \$6.00.* Mr. Noe.

C.E. 60a. SUMMER ENGINEERING CAMP. (11). Prerequisite, Civil Engineering 25a or equivalent.

Instruction in plane and geodetic surveying is given during eight weeks of the summer following the sophomore year at the University's Engineering Summer Camp at Brevard, N. C. The course includes the following subjects: I. Chaining; differential, profile, and cross-section leveling; plane-table, transit, and stadia topographic surveys; solar and stellar observations for the determination of meridian, latitude, longitude, and time; triangulation including base line measurement; measurement of stream discharge; hydrographic surveying. II. Simple, compound, reversed, spiral, and vertical curves; frogs and turnouts; reconnaissance surveys; preliminary surveys; paper location; final location; mass diagrams and earthwork computation; slope-taking; estimate of quantities and costs. III. Topographical drawing, mapping of traverse and boundary surveys, area computation, and other work of a similar nature. *Five lecture and forty laboratory hours a week, eight weeks. Laboratory fee, \$10.00.* Professor Trimble.

C.E. 65a. HYDRAULICS. (5½). Prerequisite, Mathematics 24E-25E-26E. The principles of flow of water through orifices, weirs, tubes, nozzles, pipes, and open channels as applied to measurement of water in hydraulic engineering practice. The fundamental principles of impulse wheels, reaction turbines, and centrifugal pumps. *Four lecture and three laboratory hours a week, spring quarter. Laboratory fee, \$4.00.* Mr. Geyer.

C.E. 70a. GRAPHIC STATICS. (2½). Prerequisite, General Engineering 26abc.

Graphic determination of stresses in framed structures. *One lecture and three laboratory hours a week, winter quarter.* Professor Smith.

C.E. 80a. THE PRINCIPLES AND PRACTICE OF SANITATION. (5). For non-engineering students, especially those in the Public Health curriculum of the School of Public Administration.

A general survey course, consisting of lectures, demonstrations, laboratory exercises, and field visits, designed to meet the needs of students preparing to engage in public health activities. The following subjects will receive attention: (1) Historical and epidemiological background of sanitation, its direct and indirect effects on the public health; (2) Sanitary surveys; (3) Rural sanitation; (4) Water supply—protection of sources, collection, purification and distribution; (5) Sewerage—sewage collection, treatment, disposal, stream sanitation; (6) Laboratory analysis of water, sewage, and industrial wastes; (7) Insect and rodent control, malariaology; (8) Ventilation and air conditioning—the physical and chemical properties and physiological effects of pure and impure air; (9) Illumination; (10) Plumbing; (11) Food Sanitation—production, preservation, and preparation; (12) Milk sanitation; (13) Shellfish sanitation; (14) Garbage and refuse collection and disposal; (15) Sanitation of schools, camps, and bathing places. *Three lecture and four laboratory hours a week.* Course will not be given for fewer than five students. Messrs. Geyer, Hollett.

Courses for Graduates and Advanced Undergraduates

C.E. 160abc. HIGHWAY AND RAILWAY ENGINEERING, CITY PLANNING. (13½). Prerequisite, Civil Engineering 60a, or equivalent experience.

The first quarter is concerned with the study of location, design, construction, and maintenance of the various types of highways; characteristics of road materials; highway administration, legislation, organization, and financing. The second quarter is devoted to the study of railroad location, roadbed construction, and maintenance; railroad valuation, terminals, electrification, ope-

ration, etc. The third quarter's work considers the growth of cities; historical and aesthetic development of prominent features of the modern city; and detailed study of urban, suburban, and regional elements such as street plans, subdivisions, recreational facilities, zoning, traffic census and control. Parallel laboratory and design exercises consist of identification and physical testing of highway and railway materials, study of reports and observations of projects under construction and completed, and design of street systems, subdivisions, traffic census and control.

Three lecture and three laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$4.00 a quarter. Professor Trimble.

C.E. 165abc. **HYDRAULIC AND SANITARY ENGINEERING.** (13½). Prerequisite, Civil Engineering 65a.

The epidemiological background, principles, and practice of sanitation and public health engineering; the theory and fundamentals of design, construction, and operation of water supply and sewerage systems, water purification, and sewage treatment plants, as applied to municipalities and rural communities. Attention is given to studies of rainfall, stream flow, and storage as applied to water supply, water power, and waste disposal. Parallel laboratory exercises comprise problems in the layout and design of simple water supply and sewerage systems and water and sewage treatment works. Training is given in the operation of such utilities and the routine laboratory technique employed in their control. *Three lecture and three laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$4.00 a quarter. Messrs. Geyer, Hollett.*

C.E. 170abc. **STEEL STRUCTURES.** (12). Prerequisite, General Engineering 56a and Civil Engineering 70a.

Theory of structures, including analytical determination of stresses occurring in engineering structures, such as roof and bridge trusses and buildings. Parallel design exercises comprise specific and complete problems in the design of girders, trusses, and buildings. *Two lecture and three laboratory hours a week, fall and winter quarters; two lecture and six laboratory hours a week, spring quarter. Mr. Noe.*

C.E. 175abc. **REINFORCED CONCRETE STRUCTURES.** (10½). Prerequisite, General Engineering 56a.

Development of the mathematical principles involved in the design of plain and reinforced concrete beams, slabs, columns, foundations, retaining walls, dams, arches, and girders. Parallel laboratory exercises comprise specific and complete problems illustrating the use of these structural elements in the design of buildings, bridges, and other reinforced concrete structures. *Two lecture and three laboratory hours a week, fall, winter, and spring quarters. Professor Hickerson.*

Courses Primarily for Graduates

C.E. 260ab. **REGIONAL AND CITY PLANNING.** (3 each). Prerequisite, Civil Engineering 160abc, 165abc, or equivalent.

Following an historical resumé of the subject, there is presented by means of lectures and readings a detailed topical analysis of the broad principles governing modern practice. The legal aspects are first treated, followed by consideration of the effects of physical factors, such as topography, river or sea front, etc. Consideration of communication facilities includes street plan, traffic control, transportation and transit problems, and port and industrial development. Zoning, housing, recreation, public health, statistics, public safety, and methods of financing precede a final analysis of numerous city or regional plans in effect in different parts of the country. *Three hours a week, winter and spring quarters. Professor Trimble, and other members of the graduate faculty.*

C.E. 265abc. ADVANCED SANITARY ENGINEERING. (9). Prerequisite, Civil Engineering 65a, Civil Engineering 165abc, or their equivalent.

An advanced course in sanitary and public health engineering, including the design and operation of water supply and sewerage systems, water and sewage treatment plants, water rate studies, leakage surveys, financial management, stream sanitation, industrial waste disposal, rural sanitation, garbage disposal, drainage, malaria control, etc. Occasional lectures are given by practising engineers and public works and public health officials. *Three hours a week, fall, winter, and spring quarters.* Mr. Geyer.

C.E. 270abc. ADVANCED STEEL STRUCTURES. (10). Prerequisite, Civil Engineering 170abc and Civil Engineering 175abc.

Internal work; elastic properties; least work; continuous beams of variable moment of inertia; statically indeterminate structures; redundant members; deflections of trusses; temperature stresses; secondary stresses; trusses of all types including the simply supported and continuous; cantilever, suspension, draw, and lift bridges; arches, fixed and hinged at one, two, or three points; roofs; tall building frames. *Three hours a week, fall and spring quarters, and four hours a week, winter quarter.* Professor Hickerson.

C.E. 275abc. ADVANCED REINFORCED CONCRETE STRUCTURES. (10). Prerequisite, Civil Engineering 170abc and Civil Engineering 175abc.

Analysis of monolithic and statically indeterminate reinforced concrete structures of various types, including continuous slabs and beams, rigid frames, multiple-span culverts, building frames, gravity and arch dams, domes, skew bridges. Emphasis is placed on the solution of numerous practical problems. The content of the courses, C.E. 270abc and C.E. 275abc, is coördinated so as to avoid duplication. *Four hours a week, fall quarter; three hours a week, winter and spring quarters.* Professor Hickerson.

C.E. 280a. HYDROLOGY. (3). Prerequisite, Civil Engineering 165abc or equivalent. This course may be continued for additional credit.

A detailed study of meteorology, rainfall, stream flow, storage, and other factors influencing hydrological investigations. The application of modern statistical methods to such problems is particularly stressed. *Three hours a week, fall quarter. Laboratory fee, \$2.00.* Mr. Geyer.

C.E. 285ab. WATER POWER ENGINEERING. (6). Prerequisite, Civil Engineering 280a or equivalent.

The investigation and design of water power developments, including preliminary hydrological studies, investigation of dam foundations, dam design, characteristics and selection of turbines, etc. A complete report will be prepared, including estimated cost of development, market for power, relation to other power systems, and financing. This course may be followed by Electrical Engineering 262a, 272a, 282a. *Three hours a week, winter and spring quarters. Laboratory fee, \$2.00 a quarter.* Mr. Geyer.

C.E. 290abc. SANITARY CHEMISTRY AND BIOLOGY FOR ENGINEERING STUDENTS. (5 to 20). Prerequisite, Chemistry 1-2, Civil Engineering 65abc, or equivalent.

A course designed to give intensive training in the laboratory methods employed in sanitary engineering practice. The work includes microscopical examinations; physical, chemical, and bacteriological determinations on water, air, milk, sewage, and industrial wastes; the analysis of sand and gravel for filtration purposes; limnological studies of streams and reservoirs; stream pollution investigations; and the application of laboratory tests to the control of sanitary works. Class and laboratory exercises are supplemented by field work and plant inspections. *Four to twelve laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$5.00 a quarter.* Messrs. Geyer, Hollett.

C.E. 360abc. HIGHWAY ENGINEERING RESEARCH AND DESIGN. (5 to 20). Prerequisite, Civil Engineering 160abc or equivalent.

Laboratory research problems in highway materials; investigation of problems in the scientific design and construction of modern road types; problems involving the development of equipment for use in investigation or specification of methods and materials. *Four to twelve laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$5.00 a quarter. Professor Trimble.*

C.E. 365abc. RESEARCH IN HYDRAULIC AND SANITARY ENGINEERING. (5 to 20). Prerequisite, Civil Engineering 165abc or equivalent.

For graduate or special students desiring to engage in an intensive analytical or experimental investigation of structural engineering problems. *Four to twelve laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$5.00 a quarter. Mr. Geyer.*

C.E. 370abc. RESEARCH IN STRUCTURAL ENGINEERING. (5 to 20). Prerequisite, Civil Engineering 170abc, 175abc or equivalent.

A course for graduate students desiring to engage in an intensive analytical or experimental investigation of structural engineering problems. *Four to twelve laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$5.00 a quarter. Professors Hickerson, Trimble.*

ELECTRICAL ENGINEERING

Courses for Undergraduates

E.E. 22ab. PRINCIPLES OF ELECTRICAL ENGINEERING. (Winter 3, spring 4½). Prerequisite, Mathematics 24E, Physics 21E.

A study of the fundamental theory of direct current electric and magnetic circuits. *Three lecture hours a week, winter quarter; three lecture and three laboratory hours a week, spring quarter. Laboratory fee, \$4.00 spring quarter. Professor Miller; Mr. Winkler.*

E.E. 52abc. ELEMENTS OF ELECTRICAL ENGINEERING. (13½). Prerequisite, Mathematics 24-25-26E, Physics 21-22-23E.

A study of the fundamental theory and applications of direct and alternating current circuits and machinery. A course for non-electrical students. *Three lecture and three laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$5.00 a quarter. Professor Lear; Mr. Winkler.*

E.E. 62abc. PRINCIPLES OF ELECTRICAL ENGINEERING. (13½). Prerequisite, E.E. 22b, Mathematics 24-25-26E.

A thorough study of direct circuit machinery and alternating current circuits. *Three lecture and three laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$5.00 a quarter. Mr. Winkler.*

E.E. 67ab. APPLICATION AND DESIGN OF ELECTRICAL MACHINERY. (6). Corequisite, E.E. 162ab.

Special problems in the application and design of electrical apparatus and machinery including transformers, direct-current machines, and alternating current machines. *Three hours a week, fall and winter quarters. Mr. Winkler.*

E.E. 77a. ILLUMINATING ENGINEERING. (3). Prerequisite, E.E. 62abc.

A study of the physical, physiological, and psychological principles of light and illumination; comparison of light sources; photometry; design of illumination systems for various commercial purposes. *Three hours a week, winter quarter. Professor Lear.*

E.E. 87a. ELECTRIC RAILWAY ENGINEERING. (3).

Design of electric railway systems; train resistance; speed-time curves; power requirements; motor equipment and control; distribution systems; main-line electrification. *Three hours a week, spring quarter.* Mr. Stainback.

E.E. 97abc. ELECTRICAL MEASUREMENTS. (7½).

Theory, calibration, and use of instruments for the measurement of current, potential difference, power, and energy; bridge methods of measuring resistance, inductance, and capacitance; instrument transformers; magnetic measurements; dielectric tests; cable testing. *One lecture and three laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$3.00 a quarter.* Mr. Stainback.

Courses for Graduates and Advanced Undergraduates

E.E. 102a. ELECTRICAL POWER TRANSMISSION. (3). Prerequisite, Electrical Engineering 62abc, Mathematics 26E.

Theory and problems involved in the transmission of electrical energy, including the hyperbolic function solution of long lines. *Three hours a week, fall quarter.* Professor Miller.

E.E. 112a. ELECTRIC CIRCUITS. (3). Prerequisite, Electrical Engineering 102a.

The solution of problems involving power circuit networks, multi-circuit transformers, general circuit constants, etc. *Three hours a week, winter quarter.* Mr. Winkler.

E.E. 122a. ELECTRICAL CIRCUITS. (3). Prerequisite, Electrical Engineering 112a.

A continuation of Electrical Engineering 112a, including transients, communication circuits, thermionic tubes, and gaseous conduction. *Three hours a week, spring quarter.* Professor Miller.

E.E. 162abc. PRINCIPLES OF ALTERNATING CURRENT MACHINERY. (18). Prerequisite, Electrical Engineering 62abc, Mathematics 26E.

Theory and principles of the transformer, alternator, synchronous motor, synchronous converter, induction motor, and other alternating current motors. *Three lecture and six laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$7.00 a quarter.* Mr. Stainback.

Courses Primarily for Graduates

E.E. 262a. ELECTRIC TRANSIENTS. (5).

The mathematical theory of the phenomena of the transient state met with in the operation of electric circuits and machines. *Five lecture hours a week, one quarter.* Professor Miller.

E.E. 272ab. ADVANCED TRANSMISSION PROBLEMS. (5 each).

Problems pertaining to high voltage transmission of electrical power. *Five hours a week, two quarters.* Professor Miller.

E.E. 282a. DESIGN OF TRANSMISSION SYSTEMS. (3).

Economic principles involved in the preliminary layout; insulation and lightning protection; sag of conductors; mechanical design of poles and towers. *Three hours a week, one quarter.* Professor Lear.

E.E. 382abc. RESEARCH AND DESIGN IN ELECTRICAL ENGINEERING. (5 to 15).

The solution of one or more definite problems in some particular field of electrical engineering. The work of this course will be outlined, as far as

possible, to suit the needs of the individual student, and will consist of original investigations, designs, or economic study. *Four to ten laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$10.00 a quarter.* Professor Miller.

MECHANICAL ENGINEERING

Courses for Undergraduates

M.E. 48a. MECHANISM. (6). Prerequisite, General Engineering 1abc, Mathematics 1-2-3E. Required of mechanical and electrical engineering juniors.

The relative motions, velocities, and accelerations of machine parts, including a study of linkages, cams, gears, belts, gear trains, and other mechanisms. *Three lecture and six laboratory hours a week, fall quarter.* Professor Carmichael; Mr. MacLean.

M.E. 53abc. STEAM AND GAS MACHINERY. (Fall 3, winter and spring 4½ each). Prerequisite, Mathematics 24-25-26E, Physics 21-22-23E. Required of civil, electrical, and chemical engineering juniors.

A course in the fundamentals of steam and gas heat-power machinery, designed especially for the needs of students in civil, electrical, and chemical engineering; includes a study of the principles governing the operation of steam engines, steam turbines, gas engines, boilers, and boiler auxiliaries. *Three lecture hours a week, fall quarter; three lecture and three laboratory hours a week, winter and spring quarters. Laboratory fee, \$5.00 a quarter, winter and spring quarters.* Professor Hoefer; Mr. MacLean.

M.E. 63abc. THERMODYNAMICS AND HEAT ENGINES. (13½). Prerequisite, Mathematics 24-25-26E, Physics 21-22-23E. Required of mechanical engineering juniors.

A study of the laws governing the transformation of heat into mechanical energy; properties of gases and vapors; gas and vapor cycles; power, efficiency, and performance of heat engines; study of steam engines, steam turbines, gas engines, compressed air, and refrigeration. *Three lecture and three laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$5.00 a quarter.* Professor Hoefer.

M.E. 66a. GENERAL AERONAUTICS. (3). Prerequisite, Physics 21-22-23E or equivalent. Required of mechanical engineering juniors.

A study of simple aerodynamics, airplane engines, aircraft instruments, navigation, and commercial aviation. *Three hours a week, fall quarter.* Mr. MacLean.

M.E. 68a. ELEMENTARY MACHINE DESIGN. (6). Prerequisite, General Engineering 26abc, 56a, Mechanical Engineering 48a, Mathematics 24-25-26E. Required of mechanical and electrical engineering juniors.

The study and design of the elementary parts of machines, including riveted joints, screws, keys, shafts, gearing, belting, and power transmissions, using the principles of mechanics and accepted empirical methods as a basis. *Three lecture and six laboratory hours a week, spring quarter.* Professor Carmichael.

M.E. 73a. STEAM ENGINES AND TURBINES. (4½). Prerequisite, Mechanical Engineering 63abc.

A continuation of thermodynamics and heat engines of the junior year, with further study in the field of steam engineering. It includes the laws governing the flow of fluids and applications to orifices and nozzles; advanced discussion of the thermodynamic process and cycles of vapors; a study of reheating and regenerative cycles as applied to steam turbine practice; a study of the simple and compound reciprocating steam engine. *Three lecture and three laboratory hours a week, fall quarter. Laboratory fee, \$5.00.* Professor Hoefer.

M.E. 78abc. INTERNAL COMBUSTION ENGINES. (12). Prerequisite, Mechanical Engineering 63abc. Required of mechanical engineering seniors.

A continuation of thermodynamics and heat engines of the junior year, with further study in the field of internal combustion engines. It includes a more advanced discussion of the thermodynamic processes of gases and of gas cycles, involving variable specific heats and real mixture standards; fuels and their combustion; carburetors and methods of fuel injection; performance and design of stationary and automotive gas and oil engines, including airplane engines and the effects of altitude. *Three lecture hours a week, fall quarter; Three lecture and three laboratory hours a week, winter and spring quarters. Laboratory fee, \$5.00 a quarter for winter and spring.* Professor Carmichael.

M.E. 83a. STEAM BOILERS AND ACCESSORIES. (3). Prerequisite, Mechanical Engineering 73a.

A study of fuels and combustion, boilers and boiler accessories, gas producers, feed-water heaters, economizers, and condensers. *Three lecture hours a week, winter quarter.* Professor Hoefler.

M.E. 88abc. MACHINE DESIGN. (16½). Prerequisite, Mechanical Engineering 68a. Required of mechanical engineering seniors.

A continuation of Mechanical Engineering 68a and the strength of materials given in General Engineering 56a. Stress analysis and design of basic machine parts, and the dynamics of machinery and engines. *Two lecture and six laboratory hours a week, fall and winter quarters; two lecture and nine laboratory hours a week, spring quarter.* Professor Carmichael.

M.E. 93a. STEAM AND GAS ENGINEERING DESIGN. (3). Prerequisite, Mechanical Engineering 83a.

Calculations used in the determination of sizes and the more important details of power plant apparatus, such as steam engines and turbines, gas engines, air compressors, boilers, etc.; problems in heating and ventilation. *Three lecture hours a week, spring quarter.* Professor Hoefler.

Courses for Graduates and Advanced Undergraduates

M.E. 166ab. AERODYNAMICS. (9). Prerequisite, General Engineering 26abc, Civil Engineering 65a, Mechanical Engineering 66a. Required of mechanical engineering seniors.

Fluid mechanics, similitude, functions and characteristics of airfoils, propellers, theory and calculation of airplane performance, stability, control and maneuverability. *Three lecture and three laboratory hours a week, fall and winter quarters. Laboratory fee, \$5.00 a quarter.* Professor Carmichael; Mr. MacLean.

M.E. 176a. DESIGN OF AIRPLANES. (3). Prerequisite, General Engineering 56a, Mechanical Engineering 166ab. Required of mechanical engineering seniors.

This course includes the calculation of airplane loadings, materials of construction, stress analysis, Department of Commerce requirements, design methods, weight control, and structural tests. *Three hours a week, spring quarter.* Mr. Noe.

M.E. 186a. AIRPLANE ENGINES. (3). Prerequisite, Mechanical Engineering 166a; corequisite, Mechanical Engineering 78abc.

A study of airplane engines and propellers, design principles, performance calculations, and altitude effects; characteristics of existing engines, accessories, and engine testing and construction. *Three hours a week, spring quarter.* Professor Carmichael.

Courses Primarily for Graduates

M.E. 283abc. ADVANCED ENGINEERING THERMODYNAMICS. (5 each). Prerequisite, Mechanical Engineering 78abc and 83a.

An advanced course in thermodynamics with application to the theory and design of heat-power apparatus, such as steam engines and turbines, internal combustion engines, refrigerating machines, and heating and ventilating systems. *Five hours a week, fall, winter, and spring quarters.* Professor Hoefer.

M.E. 288abc. ADVANCED MECHANICAL DESIGN. (5 each). Prerequisite, Mechanical Engineering 88abc.

A mathematical and experimental study of the effects of motion and vibration on the design and performance of machines and structures. *Three lecture and four laboratory hours a week, fall, winter, and spring quarters.* Professor Carmichael.

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GEORGE HOWE, Ph.D.

GENERAL STATEMENT

Though courses of instruction in economics and in certain business subjects have been offered for many years in the University of North Carolina, not until 1919 was there established a regular business curriculum. In that year, the Legislature, in conformity with the recommendations of the President and the Board of Trustees, enacted the legislation which resulted in the immediate organization of the School of Commerce. The School occupies a place in the University organization which is coördinate in standing with the College of Liberal Arts and the School of Applied Science.

The undergraduate curriculum, leading to the degree of Bachelor of Science in Commerce, covers a period of four years and is designed to give a foundation of broad and general culture, and at the same time supply a definite training to those who intend to engage in any of the great lines of industrial and commercial activity. For those desiring more intensive specialization the School of Commerce offers graduate courses leading to the degree of Master of Science in Commerce.

AIM AND PURPOSE

The phenomenal industrial growth of the South in recent years has produced an imperative need for trained business men. The School of Commerce is the expression of the University's desire to serve this special need of its own particular section. To this end substantial support has been accorded the School by both the University and the State as a whole. In consequence the School has been provided with a large and able corps of instructors, with satisfactory quarters in Bingham Hall, and with thoroughly modern teaching facilities.

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

It is the purpose of the School of Commerce to provide its students with as thorough and scientific business training as it is possible to give within the range of the subjects which it attempts to cover. Its teaching policy assumes that such training should consist not only of the requisite understanding of the principles and methodology which govern the organization and administration of typical business enterprises, but in addition an understanding of the problems and the larger relationships of the economic organization as a whole. In his attempt to master the technical and the vocational aspects of business, the student will not be permitted to lose sight of the social and cultural.

TEACHING POLICY

Wherever possible, the plan is followed of presenting the subject-matter of the various courses from the point of view of the executive, always bearing in mind that the executive's field of interest includes the broad outside relationship as well as the internal administration of his business. Adherence to this common point of view prevents confusion in the mind of the student, and enables him to place the problems and practices of business in their true perspective.

Within the short space of time at his disposal, it is impossible for the student to investigate in detail the entire field of business. It is therefore the policy of the School of Commerce to supplement the general survey which is required of every student with a more intensive study of that portion of the field which is of especial interest to him. To this end there have been prepared for the student certain groupings of closely related courses. The groupings have been made in such a way as to correspond to certain major functions which must be performed in the successful administration of a business enterprise.

These functions may be designated as follows: (1) The administration of production; (2) the management of finance; (3) marketing and selling; (4) management of personnel; (5) the avoidance or distribution of risk; (6) dealing with problems of transportation; (7) conforming with legal requirements; (8) handling the problem of accounting.

In addition to these groups, which have been constructed to conform with the major business functions, certain others have also been provided. The first of these offers special study in the field of foreign trade. It is so devised as to be of value not only to those intending to engage in some branch of export or import trade, but also to be of material aid to those looking forward to careers in connection with the consular service.

SCOPE OF SPECIALIZATION

Specialization in the manner here indicated, however, does not begin until the senior year, except in the accounting and marketing groups. The School of Commerce accepts the principle that a broad

and thorough training in fundamentals, as well as some maturity of mind, should precede any high degree of specialization. Whether the educational process be viewed as a training of the mental faculties, or as the acquisition of a fund of knowledge, it is equally imperative that the materials of study be definite and compact. Arrangement and treatment must be so designed as to assure results which are cumulative and which have continuity of direction.

To this end the undergraduate curriculum of the School of Commerce is arranged in logical sequence, with the same requirements imposed upon virtually all candidates for degrees until the senior year is reached. During his freshman and sophomore years the student is required to follow a path of study which closely parallels the liberal arts course. The first year's work includes English composition, mathematics, social science, economic geography, and a modern language. In the second year are courses in general economics, industrial history, English and American literature, a natural science, and a continuance of the chosen modern language.

In his junior year the student devotes most of his time to required courses in economics, commerce, psychology, and government, which include money and banking, business organization, accounting, economic statistics, general psychology, and American federal government.

In the senior year specialization begins through the election by the student of his preferred group of courses from the list outlined above. It is to be noted that the freedom to elect does not apply to courses regarded singly, but only to courses as they are arranged in more or less standardized groups. Having chosen a given group, the student is expected to satisfy its requirements in full unless a substitute program has been submitted to and approved by the Administrative Board of the School.

In all of the groups two courses in business law are required, and one course on the relationship between government and business. A fourth requirement common to all groups is a choice either of the course in Theories of Economic Reform, or of the course in the Labor Problem. This leaves in each group from five to six courses which constitute the subject matter of specialization.

IMPORTANCE OF GRADUATE STUDY

From the preceding survey of the undergraduate curriculum, it is apparent that those students who are desirous of securing the benefits of thorough specialized training and intensive research work, should continue in the University for at least one year of graduate study.

The Administrative Board of the School strongly urges the advisability of such an additional year for the superior student. Equipped with his undergraduate training, unburdened of the formal routine of courses which have been preparatory in nature, the graduate stu-

dent is free to concentrate his full powers upon the subject of his choice. His attitude changes from one of receptivity and acquiescence to one of active inquiry and initiative. He is charged with the responsibility of finding new materials, new arrays of facts, and of subjecting them to his own independent analysis, to the end that new relationships may be discovered or new evaluations made. His initiative, his analytical and creative powers, his quality of persistence, are tested and developed to a degree impossible of attainment in the undergraduate years.

The School of Commerce is prepared to offer graduate instruction and facilities for graduate research activities in the fields indicated by the senior study groups. Courses have been developed exclusively for graduate students. They are designed primarily for the encouragement and guidance of research activity, and in consequence are conducted informally and on a basis of close personal contact between professor and student.

GRADUATE DEGREES

The School of Commerce offers through the Graduate School the graduate degree of Master of Science in Commerce. Candidacy for this degree is conditioned upon the holding of an S.B. in Commerce degree from this institution or from another institution of approved standing where the work required in commerce is of substantially the same nature and volume. Graduates of other institutions who hold the A.B. degree are advised to register as candidates for the Master of Arts degree, majoring in Economics. In this way a limited number of commerce courses may be secured for graduate credit; or, if the student desires, by prolonging the period of residence the undergraduate deficiencies may be removed, leaving the path clear for the degree of Master of Science in Commerce.

The Department of Economics offers through the Graduate School the degree of Doctor of Philosophy. In conjunction with the Departments of History, Sociology, and Rural Social Economics, it also offers the degree of Doctor of Philosophy in Social Science. (For the general rules and regulations governing the candidates for these degrees see catalogue of the Graduate School.)

Graduates of other institutions desiring to enter the School of Commerce as candidates for higher degrees should submit their records together with application for entrance to the Dean of the Graduate School.

The conferring of the degree of Master of Science in Commerce assumes as a minimum the completion of nine full courses or their equivalent as approved by the Dean, a residence period of at least one year, and the completion of a thesis which embodies the results of original research work on the part of the student. (For further details see the catalogue of the Graduate School.)

SPECIAL STUDENTS

There are many young people already in business who feel the need of additional special training but who are unable to spend the full four years at the University, or who cannot provide proper entrance credits. Recognizing this the School of Commerce will admit students of twenty-one years of age or over, who cannot fulfill the entrance requirements, as special students, but not as candidates for degrees. Such students must supply satisfactory evidence of their ability to profit from the courses and *will be admitted only on probation*. A personal interview with the Dean is recommended in connection with the application for admission.

LIBRARY FACILITIES

In addition to the facilities afforded by the General Library of the University, the School of Commerce is equipped with its own special library. In the latter are contained a large number of economic and business publications of recent years which may be of value to the student. An appropriation of \$2,000 annually assures that the collection will be well-maintained and kept up-to-date.

Especially noteworthy is the collection of periodical publications. Most of the important periodicals in the general field of business and finance are regularly received. In addition, the School of Commerce is a regular subscriber to over fifty trade journals, and to the statistical services of Brookmire, Gibson, the Babson Institute, and the Standard Statistics Company. The Harvard and Cambridge Economic Surveys are also provided.

A full time librarian is in charge and is prepared to aid students in the collection of such materials for research work as may not be currently available in the University. Special library privileges are accorded graduate students who have access to the stack rooms and private desk space.

LECTURES AND OBSERVATION TRIPS

Students are expected to take advantage of the frequent opportunities to hear lectures offered by prominent business men who are invited to the University for this purpose. These lectures will prove of great value to the student in furthering his acquaintance with the practical aspects of business.

From time to time the classes in business subjects make visits to neighboring factories and other types of business institutions for the purpose of making first-hand studies of organizations and administrative methods.

STENOGRAPHY

No credit toward the degree is given for stenography but every student is urged to acquire facility in the use of it before graduation. Instruction in this subject is not offered by the University but can be secured in Chapel Hill in a private school.

SOCIETIES

Beta Gamma Sigma, recognized by the American Association of the Collegiate Schools of Business as the national scholarship fraternity in Commerce and Business maintains a chapter, Alpha of North Carolina, at the University. Eligible for membership in this organization are those students ranking scholastically in the highest tenth of the Senior Class and the highest fifteenth of the Junior Class.

STANDARDS OF WORK

The School has been admitted to membership in the American Association of Collegiate Schools of Business. This is an organization formed for the promotion of thorough-going, scientific training for the business profession. It maintains high standards of membership based on the number and training of the faculty, the thoroughness of the work, the length and breadth of the curriculum, the number of students, the financial backing of the school, and the facilities for carrying on the work.

STUDENT HABITS

Training for business, if it is to be worthy of the name, should include at least two elements: first, an understanding of the principles and processes of business; and second, the practice of habits of work essential to business success. Observation appears to justify the conclusion that promptness, industry, systematic application, and honest performance are quite as vital to mastery in the business world as an understanding of the nature of industrial and commercial phenomena. It is wasteful, then, to allow students to proceed far in this field if they are unwilling to fashion their habits in conformity with these essential requirements. The policy of the School will be to drop from its rolls any student who fails to respond to the above standards.

REQUIREMENTS FOR ADMISSION

See page 45.

EXPENSES

See pages 47-51.

CURRICULA LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN COMMERCE

The degree of Bachelor of Science in Commerce will be conferred upon students who satisfy the entrance requirements and complete the four-year curriculum as outlined below.

In case required freshman courses are taken after the student begins his seventh quarter or required sophomore courses are taken after he begins his tenth quarter, half credit only is allowed.

The work in the freshman and sophomore years is the same in all the courses of study, unless otherwise indicated, and is as follows:

Freshman Year

English 1-2-3
Mathematics 1-2-3C
Social Science 1-2-3
Economics 9

Economics 11
*French 11-12-13, or
Spanish 11-12-13, or
German 11-12-13

Sophomore Year

English 21-22-23
Economics 21-32-33
Economics 35
French 21, 24-25, or
Spanish 21, 24-25, or
German 21-22-23

Zoölogy 41, 42 or
Botany 41, 43, or
Chemistry 1-2-3, or
Physics 21-22-23, or
Geology 11-12-13

In order that the junior and senior subjects may be chosen in such a way as to constitute a coherent and comprehensive whole, rather than an unrelated and scattered series, the following programs have been devised. Each student is expected to elect at the beginning of his junior year the group which best serves his needs and to adhere to it. However, students whose interests do not coincide with any of the following groups are invited to submit an alternative program for the approval of the Administrative Board of the School.

I. FACTORY ORGANIZATION AND ADMINISTRATION

Junior Year

Commerce 51, 71-72; Economics 81-82, 170; Government 51; Psychology 21-22-23.

Senior Year

Commerce 91-92, 151, 155, 173, 191; Economics 131, 191 (or 195), 197; select one course from the following: Government elective, Economics 141, **English elective, Philosophy 41, 56, 57, 61, Rural Economics 134.

II. BANKING AND FINANCE

Junior Year

Commerce 51, 71-72; Economics 81-82, 170; Government 51; Psychology 21-22-23.

* The student who is not qualified to pursue the intermediate courses may take courses numbered 1-2-3, which aim to cover both the elementary and intermediate work and prepare one to pursue the advanced courses.

** The elective in English must be approved by the Dean.

Senior Year

Commerce 91-92, 181, 191, 195; Economics 131, 185, 191 (or 195), 197; select one from the following: Economics 141, *English elective, Government elective, Philosophy 41, 56, 57, 61, Rural Economics 134.

III. MARKETING, MERCHANDISING, ADVERTISING**Junior Year**

Commerce 51, 71-72; Economics 81-82, 124, 170; Psychology 21-22-23.

Senior Year

Select three from Commerce 61, 161, 163, 165; Commerce 91-92; Economics 131, 191 (or 195), 197; Government 51; select one course from Economics 141, *English elective, Government elective, Philosophy 41, 56, 57, 61, Rural Economics 134.

IV. PERSONNEL MANAGEMENT**Junior Year**

Commerce 51, 71-72; Economics 81-82, 170; Government 51; Psychology 21-22-23.

Senior Year

Commerce 91-92, 151, 155; Economics 131, 191, 195, 197; Psychology 135 or Sociology 41; select one from Economics 141, *English elective, Government elective, Philosophy 41, 56, 57, 61, Rural Economics 134.

V. RISK-BEARING AND INSURANCE**Junior Year**

Commerce 51, 71-72; Economics 81-82, 170; Government 51; Psychology 21-22-23.

Senior Year

Commerce 91-92, 61 (or 191), 121, 122; Economics 121, 131, 191 (or 195), 197; select one from Economics 141, *English elective, Government elective, Philosophy 41, 56, 57, 61, Rural Economics 134.

VI. BUSINESS LAW**Junior Year**

Commerce 51, 71-72; Economics 81-82, 170; Government 51; Psychology 21-22-23.

Senior Year

Commerce 191, 195; Economics 131, 141, 195, 197; Government 131; select three courses offered by the Department of Economics and Commerce.

VII. ACCOUNTANCY**Junior Year**

Commerce 51, 71-72, 171; Economics 81-82, 170; Psychology 21-22-23.

* The elective in English must be approved by the Dean.

Senior Year

Commerce 91-92, 173, 175, 191; Economics 131, 191, (or 195), 197; Government 51, 131 (or 132).

VIII. FOREIGN TRADE AND THE CONSULAR SERVICE

NOTE: It should be understood that this program merely lays the foundation for more advanced and specialized study prerequisite to the proper preparation of candidates for the consular service. One general course in Foreign Trade Technique cannot be expected to eliminate an apprenticeship in that field, but it should materially shorten it.

Junior Year

Commerce 51, 71-72; Economics 81-82, 170; Government 51; Psychology 21-22-23.

Senior Year

Commerce 91-92, 145, 169, 181; Economics 124, 131, 161, 191 (or 195), 197; Government elective.

IX. GENERAL COURSE**Junior Year**

Commerce 51, 71-72; Economics 81-82, 170; Government 51; Psychology 21-22-23.

Senior Year

Commerce 91-92; Economics 131, 185, (or 121), 191 (or 195), 197; select one from the following: Economics 141, *English elective, Government elective, Philosophy 41, 56, 57, 61, Rural Economics 134; select three courses offered by the Department of Economics and Commerce.

XIII. COMBINED COURSE IN COMMERCE AND LAW

For the details of this course please see under the School of Law,
PART FIVE.

* The elective in English must be approved by the Dean.

THE SCHOOL OF PUBLIC ADMINISTRATION

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ROBERT BURTON HOUSE, A.M., *Dean of Administration.*

HOWARD WASHINGTON ODUM, Ph.D., LL.D., *Acting-Dean.*

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DANIEL ALLAN MACPHERSON, Ph.D., *Professor of Bacteriology.*

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

† Absent on leave, 1934-1935.

‡ Absent on leave, January-June, 1935.

GUSTAV THEODOR SCHWENNING, Ph.D., *Professor of Business Administration.*

THOMAS JACKSON WOOFER, JR., Ph.D., *Research Professor of Sociology and Statistics.*

CLARENCE HEER, Ph.D., *Research Professor of Economics.*

*HARRY DEMERLE WOLF, Ph.D., *Professor of Economics.*

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ARTHUR RUSSELL HOLLETT, S.M.E., *Instructor in Engineering.*

GEORGE HAROLD LAWRENCE, A.M., *Supervisor of Field Work in Public Welfare and Social Work.*

GENERAL INFORMATION

The School of Public Administration has been established with three major objectives in view. One is to take its place alongside other efforts of the University of North Carolina to make higher education effective and dynamic in coming to grips with modern realities and with growing complex economic and social situations with which the citizen and educator are faced. The second purpose is to offer pro-

* Absent on leave, fall quarter, 1934.

** Absent on leave, 1934-1935.

fessional training to men and women in the art and science of government and public service, thus assuring practical applications to problems of government based upon adequate knowledge and sound theory. A third purpose is found in its efforts for study and research, to the end that it may provide adequate knowledge and facts for the upraising of standards and for those who need them in the performance of their administrative duties. Its curriculum seeks to contribute something to the reorganization and revivifying of higher and professional education in the state and the region, at the same time that it affords technical training for specialists preparing for public service and for those officials and workers who are already in the field.

The School of Public Administration is an extension and enlargement of the School of Public Welfare, which was established at the University of North Carolina in 1920, the main objective of which was the training of public welfare officials and social workers. Ten years of work of this School have shown clearly that there is not only a still larger need today for the sort of training which the School of Public Welfare has offered, but an insistent and growing demand for training in the larger fields of government and public administration as these are being called upon for greater service and more technical equipment to cope with modern situations. Consequently, in 1931, President Graham urged the establishment of a new School of Public Administration in which the work in Public Welfare and Social Work would be continued with still higher standards as an important division. Such a school received the hearty support of the Governor of the State, who was successful in securing a beginning appropriation in line with his other efforts toward the reorganization and strengthening of government in North Carolina. Subsequently, a small co-operative grant for three years was received for coördinating the research needs of the School of Public Administration with the research program of the Institute for Research in Social Science. The new School was, therefore, authorized by the Board of Trustees at their meeting in June, 1932.

THE DEMAND FOR PROFESSIONAL TRAINING

The character of government and public relations has changed extensively in recent years to meet the increasing needs and demands of society. With every expansion of the function of government, there has arisen an agency to administer it, thus multiplying administrative processes and administrative officers. In national, state, and local areas, new officers, new departments, new bureaus, boards, and commissions have been created. There are now literally hundreds of thousands of persons engaged in the work of public administration in this country. There is a widespread and insistent demand for efficiency and economy in government. There is an increasing demand that those who administer public affairs should have definite and

specific training for their tasks. It is in response to these demands that this School has been created.

Opportunities for trained men in the public service are rapidly increasing. This is especially true in the fields of city management, health administration, public welfare, and social work, and is increasingly true in other fields such as financial administration, county management, and legal administration. Bureaus of research and various civic organizations also demand a large number of men and women who have had experience in research. There is also increasing opportunity for well-prepared teachers in this field, both for the secondary schools and for the colleges.

In addition to training for a specific task, the prevailing attitude toward political life is making it more inviting for people of broad training and outlook definitely to look toward a career in political life.

PURPOSES

The main purposes of the School may be stated as follows:

1. To give a general view of the field of public administration to those who may or may not wish to become public administrators, but who, if they do not become administrators themselves, will be able as citizens in every capacity to help raise the level of governmental efficiency.

2. To give special training to those who will enter the public service.

3. To give additional training to those already in the public service.

The curricula outlined in the following pages are planned to meet the requirements here stated.

ADMISSION

Students are admitted to the School of Public Administration at the beginning of the junior year. The requirements are:

1. The completion of the freshman and sophomore years in the College of Liberal Arts or the School of Commerce (the Lower College), or equivalent work done elsewhere.

2. Of the following five subjects at least two (or equivalent courses done elsewhere) must be presented:

31-32-33 Economics
51 Government
47-48-49 History

31-32-33 Sociology
21-22-23 Psychology

Four of the five preceding subjects will be required for graduation in this course. Students preparing to enter the field of social work may, with the approval of the Dean, substitute certain courses in sociology and rural sociology for the courses in government and history.

Special students, well qualified by experience, training, and ability, may be admitted by permission of the Dean to courses leading to a Certificate in Public Administration, or to a Certificate in Social Work.

For admission to the Graduate School, see page 45 and also the special catalogue of the Graduate School.

EXPENSES

See pages 47-51.

DEGREES AND CERTIFICATES

The degree of Bachelor of Science in Public Administration will be given upon the completion of the curriculum outlined below.

A Certificate in Public Administration or in Social Work will be given upon the completion of nine courses in the School of Public Administration approved by the Dean, together with the completion of three months of field work.

For information on graduate programs and advanced degrees in public administration the reader is referred to the Catalogue of the Graduate School.

CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC ADMINISTRATION

The object of this course of study is to give the student a broad view of the field of administration, to afford the basis for further training in specific administrative positions, and also to lead toward the preparation for teaching in the field of government and civics.

The work of the freshman and sophomore years will be, as stated above, the same as that for A.B. or S.B. in Commerce, or equivalent work done elsewhere, with the prerequisites as previously stated.

The major work will be in the Department of Public Administration.

The minor work should be in Economics, History and Government, Sociology, or Rural Social Economics.

The following courses, in the junior and senior years, are required:

- 101 Public Administration
- 131 American State Government
- 132 American Municipal Government, or
- 134 County Government Administration
- 141 Public Finance
- 151 Elements of Political Science
- 71-72 Accounting

Students preparing to enter the field of social work, on the approval of the Dean, may substitute for 141, 151, and (or) 71-72:

- 160 Introduction to Social Work
- 164 Family Case Work
- 168 The Community
- 193 Social Pathology

Electives: All courses listed in the Department of Public Administration and courses in the department of the minor subject. A limited number of free electives and substitutions of equivalent courses will be allowed with the permission of the Dean.

GRADUATE DIVISION

To meet the demand for trained men and women in the field of public service and social work, technical courses leading to preparation for particular positions in administrative work are offered. This work is on the graduate level and will lead to the degree of Master of Science in Public Administration. *See note above under Degrees and Certificates.* When and if the programs and degrees have been approved, such degrees will be administered by the Graduate School as are all other graduate degrees. The reader is referred to the catalogue of the Graduate School for full information covering all necessary matters of detail. The requirements for admission to these courses will be the same as those prescribed in the Graduate School. Properly qualified special students may be admitted to graduate courses with the approval of the Dean of the Graduate School and the Dean of the School of Public Administration.

The various fields of work are designated according to function, and courses especially adapted for the preparation of the student in each kind of work will be offered. The work is divided into four parts:

- I. Public Service
- II. Public Welfare and Social Work
- III. Public Health Administration
- IV. Research and Surveys

I. PUBLIC SERVICE

Public Service Administration is arranged in the following groups:

Group 1.—*City Management.* The object of the work in Group 1 will be to give the student specific training in city management and administration. A degree in engineering is desirable but is not required. Among the courses that will naturally be taken are: those in public administration, municipal government and administration, city planning, public utilities, public finance, police, fire and traffic administration, etc. The course of study will be planned in conference with the Dean and will be based upon the previous preparation of the student and upon his aptitude for this work.

Group 2.—*Public Works Administration* is very closely allied to Group 1. A large proportion of present city managers are engineers. The prerequisite for the work in this group is the degree in engineering. The engineer who aspires to public works administration should have, in addition to his engineering training, courses in financial administration, municipal government and administration, personnel management, public health, public welfare administration, etc.

Group 3.—*County Management*, while presenting many of the same problems as city management, does have different problems such as regional planning, rural social problems, rural education administration, county government and administration, etc.

Group 4.—*Financial Administration* includes such problems as public finance, accounting, statistics, financial organization and administration, etc. The number and importance of administrative positions in this field are apparent. Expert training is definitely required for the proper administration of these phases of governmental work.

Group 5.—*Legal Administration* includes such positions as juvenile court judges, city and county attorneys, judges of city and county courts, and mayors. These officers will need in addition to their legal training courses in sociology, public welfare, psychology, economics, and courses listed above in groups 1, 3, and 4.

Group 6.—*Public Education Administration*. The problems of administration in the office of city and county superintendent and in state departments of education are increasingly exacting and difficult. In addition to their equipment and experience in the art of teaching and the general field of education, such officers need to know budget making, the principles of organization and the problems of administration, such as personnel, morale, classification, promotion and retirement systems, etc.; something of governmental accounting, state and municipal or county government; the relation of the schools to juvenile delinquency, public health, public welfare, and administrative law. It is therefore the purpose of the School of Public Administration to supplement and strengthen, where possible, the work of the Department of Education, by providing special training for higher administrative positions for those who have distinctive qualifications for administrative work.

II. PUBLIC WELFARE AND SOCIAL WORK

The former School of Public Welfare has become a part of the School of Public Administration. Under the enlarged program, there will be no lessening of the emphasis upon training for social work. With continued special attention to training for work in rural and small town communities, the School in this division changes its objectives only in offering additional facilities for training in the administrative aspects of the social work field. It offers training and services fitted to the needs of several groups:

- (1) To graduate students it offers two general groups of courses:
 - a. *Social Work*. The object of the work in this group will be to fit the student for work in either public or private social work agencies. Special emphasis will be given to case work.
 - b. *Public Welfare Administration*. In this group, without neglecting social work technique, emphasis will be upon

the administrative aspects of social work. Public Welfare Administration will be stressed, but attention will also be given to the administration of private social agencies.

(2) To graduate students who do not care to work for an advanced degree, and to a limited number of other mature students whose educational background is approved by the Dean of the School, it offers a short course leading to a Certificate in Social Work. The following courses must be completed for the Certificates: Introduction to Social Work, Family Case Work, Advanced Family Case Work, Public Welfare Administration, The Family, and four elective courses. In addition, the student must have had three months of field work, either under the direct supervision of the School or in an agency approved by the School.

(3) For county superintendents of public welfare, juvenile court judges, probation officers, parole officers, workers in correctional institutions and in child-caring institutions, and other social workers desiring to do special work or research for a short time, special courses of study of one, two, or more quarters are arranged. Students not eligible for admission to other courses on account of lack of educational qualifications may on the approval of the Dean be admitted to these special courses as *special mature students*.

(4) Social workers desiring additional training for their work, and teachers and others wishing to gain some knowledge of certain phases of social work training, may find courses offered in connection with the Summer Session suited to their purposes. The work of the Summer Session may also be counted toward a certificate or a degree.

(5) *Summer institutes for special groups:

- a. In coöperation with the State Board of Charities and Public Welfare of North Carolina, institutes of one or two weeks' duration are held each summer for county superintendents of public welfare, juvenile court judges, probation officers, institutional workers, other social workers, and persons interested in social work. These institutes serve a two-fold purpose: first, they offer some additional training to the inadequately trained worker already holding a position; second, they furnish an opportunity for "stock-taking" and conferences to the social workers of the State.
- b. In coöperation with the University Extension Division and the State Congress of Parents and Teachers, an annual Parent-Teacher Institute is held during the summer session. This is a leadership training institute. The time duration is generally a week or ten days. National and state

* The institutes are not a part of the proposed graduate programs. Descriptions are inserted here to show the full picture of the School's connection with public welfare and social work.

certificates are granted to those successfully completing the work. The method of conducting these institutes includes classroom work, lectures, reading, and entertainment.

- c. The "Boy Scouts of America" requires of its executives professional advancement work. The Boy Scout executives of North Carolina come to the University twice each scholastic year for seminar study. Fifty hours of work are completed. The classroom and lecture work is done by members of the University faculty, in coöperation with the Boy Scouts of America and under the leadership of the Bureau of Recreation of the University Extension Division. The University also sponsors frequent Boy Scout gatherings.

(6) *Bureau of Recreation.* Information and advisory service regarding play, recreation, leisure time problems, and physical education are offered through the Bureau of Recreation of the University Extension Division in coöperation with the Department of Sociology. Play institutes are conducted to demonstrate the value of organized recreation in school and community. Physical ability tests for school children are available. The Bureau is officially represented on a number of National and State Boards. Lectures to civic and club groups are offered.

Field Work. It is the purpose of the school to give emphasis to training for social work in rural and small town communities—that is, for the typical social work situation as it exists in North Carolina and the South. Field work is under the direction of a trained social worker of successful practical experience. The supervisor of Field Work is also the officially designated Superintendent of Public Welfare for Orange County, in which the University is located. In addition, he has charge of the work of executive secretary for the local Red Cross Chapter and is designated service officer for the local post of the American Legion. This concentration of local social work under one head gives the School a variety of cases and enables it to give field work to its limited number of case work students under the immediate direction of a member of its own staff.

In addition, the School has had from its organization cordial relationships with the State Board of Charities and Public Welfare and the coöperation of that Board in arranging field work for its students.

The field work is closely correlated with class instruction in case work methods. The class in advanced case work meets twice a week for a two hour period. One of the periods is devoted to the discussion of theoretical case work technique under the direction of the instructor in case work. The other period is devoted to the discussion of cases with which the students are actually dealing in their field work. At

this meeting both the instructor and the supervisor of field work are present. In cases involving mental problems, they are joined by the instructor in abnormal psychology, who is also head of the Bureau of Mental Health and Hygiene of the State Board of Charities and Public Welfare. In short, the group becomes a case committee under the direction of the instructor and the active leadership of the supervisor of case work.

The course of study in each group will be arranged with the approval of the Dean after full consideration of the preparation, special qualifications, and abilities of the student.

III. PUBLIC HEALTH ADMINISTRATION

Public Health is an increasingly important function of government. State Boards of Health cover a wide field of service and each city and county has its public health administrator. The number of public health officials is therefore increasing and the demands are insistent for higher standards of qualification and equipment for health administrators.

The University of North Carolina is not proposing to set up a School of Public Health but it is offering courses of study to supplement the basic work in this field, in order that immediate and practical needs in this state and region may be adequately met. The State Board of Health is coöperating fully and completely in carrying out this program. In the University, the School of Medicine, the School of Engineering and the Graduate School are joining with the School of Public Administration in offering the necessary courses. The work will be divided as follows:

- I. Short Curriculum in Public Health Administration.
- II. Courses leading to a Certificate in Public Health Administration.
- III. Courses in advanced and graduate work leading to the Masters Degree.

Special attention is called to the *Short Curriculum in Public Health Administration*. This course was offered for the first time during the fall quarter of the University year beginning September 22, 1933, and ending December 20, 1933, and has been offered thereafter in the regular fall quarter. This course, as will be seen from the description which follows, is designed especially to meet the immediate and practical needs of public health officers in North Carolina. It will be especially helpful to physicians who wish to enter public health work. Since it is assumed that only mature and advanced students will take the course, the training is extensive and intensive for so short a period—one quarter. For those who desire larger preparation in this field, attention is directed to Divisions II and III, in which the courses lead to a Certificate in Public Health Administration and to the Master's Degree in Public Health Administration.

COURSES OF INSTRUCTION*I.—SHORT CURRICULUM IN PUBLIC HEALTH ADMINISTRATION.****REQUIRED****77. PUBLIC HEALTH ADMINISTRATION. (3).**

Relation of public health problems in municipalities and counties to the state and national organizations. The organization, administration, and direction of public health activities embracing problems of particular concern to North Carolina. General sanitation and prophylaxis, collection and correlation of vital statistics and proper presentation and handling of same, health work in the public schools and industrial centers, public health campaigns for the eradication of transmissible diseases in man and domestic animals as they are related to man, public responsibility for the relief of undernourished and delinquent children, protection of the water and food supply, health regulations in jails and county homes, the relation of the public health officer to the private practitioner of medicine or dentistry, practical evaluation and interpretation of laboratory science as related to health work, general rural sanitation, and other subjects as outlined in the program of the North Carolina State Board of Health.

Special lectures by recognized Public Health Administrators and practical demonstrations in well organized local health departments form a part of the course. *Three hours a week.* Professor Mangum; Doctors Knox, Stimpson.

80a. THE PRINCIPLES AND PRACTICE OF SANITATION. (5).
(See Civil Engineering 80a.)**83. COUNTY AND MUNICIPAL GOVERNMENT. (5).**

A survey of the organization, functions, and operations of county and city governments with special emphasis upon present day problems and conditions. Each student will be expected to give particular attention to his own county and city. *Five hours a week.* Professors Woodhouse and Wager.

ELECTIVE**86. PUBLIC HEALTH LAW. (3).**

A study of the exercise by the States of the United States of their police power in the protection of public health, of the interpretation and administration of public health laws by the States and their local governmental units, of the cooperation by the National Government; comparisons with public health policies and administrations of other nations. Assigned readings, reports, and class discussions. *Three hours a week.* Professor Woodhouse.

164. FAMILY CASE WORK. (5). (See Public Administration 164.)**266. PUBLIC WELFARE. (5).** (See Public Administration 266.)**267. SOCIAL LAWS. (5).** (See Public Administration 267.)

Substitutions in electives may be made with the approval of the Dean.

A statement of credit will be issued by the University for the satisfactory completion of this course.

II.—CURRICULUM LEADING TO A CERTIFICATE IN PUBLIC HEALTH ADMINISTRATION**REQUIRED****77. PUBLIC HEALTH ADMINISTRATION.****80a. PRINCIPLES AND PRACTICES OF SANITATION (Civ. Eng'g. 80a).**

* The numbers in parenthesis following the descriptive titles indicate the credit values of the courses counted in quarter hours.

ELECTIVE

- 86. PUBLIC HEALTH LAW.
- 103. PUBLIC HEALTH AND HYGIENE (Bacteriology 234).
- 133. AMERICAN MUNICIPAL ADMINISTRATION (Government 133).
- 134. COUNTY GOVERNMENT AND ADMINISTRATION (Government 134).
- 141. PUBLIC FINANCE (Economics 141).
- 165. ADVANCED FAMILY CASE WORK.
- 181. INFECTION, IMMUNITY, AND SERUM DIAGNOSIS (Bacteriology 233).
- 183. PUBLIC HEALTH LABORATORY METHODS (Bacteriology 235).
- 185. EPIDEMIOLOGY (State Board of Health).
- 187. PROTOZOÖLOGY, OR PARASITOLOGY (Zoölogy 215).
- 189. VITAL STATISTICS (State Board of Health).
- 253. STATISTICS (Sociology 253).
- 266. PUBLIC WELFARE. (See Public Administration 266.)
- 267. SOCIAL LAWS. (See Public Administration 267.)

The completion of seven whole courses or equivalent from those listed above at the University and courses 185 and 189, or their equivalent, with the State Board of Health, will entitle one to a Certificate in Public Health Administration.

III.—ADVANCED AND GRADUATE WORK

The Graduate School offers its resources to qualified persons interested in undertaking the investigation of Public Health problems. Such qualified persons may now in certain departments or schools become candidates for graduate degrees with work having a relation to Public Health and Public Health Administration, as in such subjects as Sanitation, Chemistry, Government, Economics, and Public Welfare. In addition, advanced work of a graduate nature may be taken without reference to a degree. Programs of study leading specifically to a degree of Master of Science in Public Health Administration are under consideration. Those interested in graduate opportunities or regulations should apply for information to the Dean of the Graduate School.

Upon the completion of the curriculum, the student will be required to devote three months of field work with a state, county, or municipal Board of Health.

IV. RESEARCH AND SURVEYS

One of the greatest needs of the State in order to carry on the functions of government with a greater economy, greater effectiveness, and greater social justice is knowledge about conditions and information about all of its problems. If the State, working through its regular officials and its special committees, commissions, and citizens' groups, is to make satisfactory progress, there is need for coöperative research and a continuous search for the rapidly changing facts. The School of Public Administration, therefore, in coöperation with the Institute for Research in Social Science and with other Schools will seek to offer its services in study and research in various fields of

state, county, and municipal government, in special inquiries into cost of government, taxation, resources, personnel, and in many other emerging problems.

LECTURES

It is the intention of the School of Public Administration to work in the closest possible coöperation with the officers of the state, municipal, and county governments in North Carolina. In order that the student may have the most vital and interesting connection with administrative work as it is actually carried on, a number of administrative officers will be asked to speak to the students from time to time. Heads of some administrative departments of the state government in Raleigh, city and county managers, mayors, chairmen of the boards of commissioners, and other administrative officers in this State have generously promised their coöperation in carrying out the work of the School, and there will be lectures from a number of these officers from time to time throughout the year.

FIELD WORK

Before the Master's degree is awarded in the School of Public Administration, the student will be required to do three months of field work in some governmental department, in addition to the completion of the required residence work. Various administrative officers have indicated their willingness to coöperate in placing students in positions which will give them practical training in the field in which they are specializing.

EXTENSION SERVICE

The purpose of the work in Extension Service will be to offer additional training to persons already engaged in the public service.

As early as 1921, the first regional conference of town and county administrators was held at Chapel Hill under the general auspices of the School of Public Welfare. Other special institutes and conferences have been held for superintendents of public welfare and for police officials, and special surveys have been made of the North Carolina prison system and of a number of county and city situations. However, the need at the present time is for a more extended service. The present plan provides for these new types of coöperation, instruction, and work:

- a. Through extension classes and group instruction in various parts of the State.
- b. Through special institutes and conferences held in various communities.
- c. Through special institutes held at Chapel Hill, with the assistance of experts from the State in different fields of administration.

THE GRADUATE SCHOOL

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*

ROBERT BURTON HOUSE, A.M., *Dean of Administration.*

WILLIAM WHATLEY PIERSON, Ph.D., *Dean.*

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Ph.D., LL.D.

GEORGE COFFIN TAYLOR, Ph.D.

GENERAL STATEMENT

The Graduate School finds its province in the fostering of research, in training students to become investigators and teachers in special fields of learning, in the application of research methods to the problems of society and industry, and in supplying opportunity for further and advanced study by those who have already completed a college course. The University of North Carolina has been interested in research for more than a century, and has made contributions in science, the social sciences, and the languages. Through its research clubs and learned journals, as well as through publications and other contributions to learning made by members of its faculty, the University has acquired the authority to give advanced instruction. For this it is competent both from the standpoint of the personnel of its faculty and in material equipment in libraries and laboratories.

Instruction leading to the Master's degree was offered at this institution prior to the American Civil War, and such higher degrees were granted in course. Formal action with high standards in requirements was taken in 1876 to establish a system of graduate, as distinct from undergraduate, instruction. A Graduate Bulletin, issued in 1885, showed that nearly all departments offered advanced courses. The number of students during those years was small, but the work accomplished in both the humanities and the sciences was of distinguished quality. Given distinct status in 1904 and the leadership of a Dean, the Graduate School has experienced steady and, since 1920, rapid growth.

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

† Absent on leave, 1934-1935.

The institution is a member of the Association of American Universities; the Graduate School annually publishes a bulletin, entitled *Research in Progress*, which records analytically the scholarly contributions of the faculty and graduate students; the School has been assigned control of a building wherein graduate men students may live and have a club which affords opportunity for friendly association; the School operates an Appointments Bureau, which supplies facilities for placement.

Work for advanced degrees is under the supervision of the Graduate Faculty, which consists of those officers of professorial rank who are chiefly interested in the Graduate School, either because they offer courses for graduate students or because of their interest in research. The immediate direction of the Graduate School is in charge of an Administrative Board, of which the Dean is chairman. Special requirements and regulations made by this board are outlined in the Catalogue of the Graduate School, published in alternative years and recognized as the official publication of the Graduate School.

GRADUATE DEGREES

The degrees under the supervision of the Graduate Faculty are Master of Arts (A.M.), Master of Science (S.M.), and Doctor of Philosophy (Ph.D.). For a complete statement of the requirements for these degrees reference must be made to the special Catalogue of the Graduate School.

SUMMARY OF THE REQUIREMENTS FOR HIGHER DEGREES

MASTER'S DEGREE

1. A bachelor's degree from a recognized institution.
2. A minimum period of three quarters of resident study.
3. A reading knowledge of one modern foreign language.
4. Nine graduate courses, six of which must be in the department of the major.
5. A written examination in the field of the major.
6. An oral examination covering the entire field of study.
7. A thesis.

DOCTOR OF PHILOSOPHY

1. Admission is the same as for the master's degree.
2. A minimum of three years of graduate study, at least one of which must be at the University of North Carolina.
3. A reading knowledge of French and German.
4. A major covering adequately the field of major interest and at least six courses in a minor, which may under special circumstances be in the same department.
5. A preliminary oral examination.

6. A written examination in the field of major interest.
7. An oral examination covering the entire field of study.
8. A dissertation.

CATALOGUE OF THE GRADUATE SCHOOL

For information concerning the Graduate Faculty, fields of research, fellowships and other aids, expenses and tuition, and for regulations governing courses of study, credits, admissions, examinations, and higher degrees, reference must be made to the special Catalogue of the Graduate School.

SUMMARY LIST OF COURSES OFFERED

The following list comprises the courses which may be pursued for graduate credit. Courses are listed by number only; and only the courses given in the regular session appear. For courses offered in the Summer Session the reader is referred to the annual catalogue of that school. For further details as to title and content of courses, number of meetings a week, credit value, and years offered, he is referred to PART THREE of this catalogue.

ANATOMY. 105, 112, 114.

BOTANY. 103, 111, 112, 113, 122, 133, 141, 151, 153, 162, 211, 212, 213, 251, 252, 253, 301, 302, 303.

CHEMISTRY. 143, 151, 162, 164, 165, 167, 168, 169, 182, 183, 191, 192, 231, 241, 242, 243, 252, 253, 261, 262, 263, 281, 282, 284, 285, 286, 287, 288, 289, 341abc, 351abc, 361abc, 381abc, 391abc.

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EDUCATION. 101, 105, 108, 142, 143, 145, 160, 163, 164, 171, 173, 194, 197, 201, 204, 271-272, 299, 303ac, 341abc, 375, 376, 398-399.

ENGINEERING. *General.* 116a, 256abc.

Chemical. 191, 194-195-106, 197, 291-292-293, 294-295-206, 391abc.

Civil. 160abc, 165abc, 170abc, 175abc, 260ab, 265abc, 270abc, 275abc, 280a, 285ab, 290abc, 360abc, 365abc, 370abc.

Electrical. 102a, 112a, 122a, 162abc, 262a, 272a, 282a, 382abc.

Mechanical. 166ab, 176a, 186a, 283abc, 288abc.

ENGLISH. 101, 105, 111, 112, 113, 114, 121, 125, 131, 133, 141, 149, 151, 155, 156, 157, 161, 162, 163, 167, 170, 201, 202, 203, 208, 231, 232, 243, 283, 284, 307, 310, 312, 313, 317, 318, 320, 331, 340, 341.

GENERAL AND COMPARATIVE LITERATURE. 105, 111, 112, 113, 121, 122, 123, 125, 151, 152, 155, 156, 157, 159, 161, 162, 163, 185.

GEOLOGY. 105, 111, 112, 113, 121, 122, 123, 131, 133, 134, 141-142-143, 148-149, 171-172-173, 181-182-183, 191, 192, 193, 304-305-306, 307-308-309.

GERMAN. 101-102, 103-104, 111, 121, 122, 123, 201, 203, 207, 211, 221, 223, 225, 251.

HISTORY AND GOVERNMENT. *History*. 101, 102, 121, 122, 131, 132, 133, 134, 135, 136, 137, 149, 150, 151, 152, 153, 154, 155, 156, 161, 162, 163, 164, 167, 168, 170, 201ab, 211, 220, 221, 271, 272, 273, 301abc, 311abc, 321abc, 323abc, 333abc, 341, 370abc.

Government. 121, 122, 131, 132, 133, 134, 141, 142, 143, 151, 153, 154, 155, 156, 157, 158, 301abc, 305, 311abc, 321abc, 341.

MATERIA MEDICA. 391-392-393.

MATHEMATICS. 103, 104, 111, 121, 131, 141, 151, 152, 161, 171, 206, 211, 216, 221, 226, 231, 236, 241, 246, 251, 256, 261, 266, 271, 272, 273, 281, 286, 291, 351, 356, 361, 366, 371, 376.

MUSIC. 101-102-103, 124-125-126, 161-162-163, 174-175-176, 201, 301-302-303.

PATHOLOGY AND BACTERIOLOGY. Pathology 201abc; Bacteriology 132, 233.

PHARMACEUTICAL CHEMISTRY. 141, 172, 173, 242-243, 245, 391-392-393.

PHARMACOLOGY. 223abc.

PHARMACY. 141, 144-145-146, 162, 191-192-193, 261-262-263, 351-352-353, 391-392-393.

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ROMANCE. *French*. 109, 115, 126, 131, 132, 145, 161, 171, 172, 181, 191, 192, 221-222-223, 225, 231, 248, 265-266, 331, 391, 395.

Celtic. 105.

Italian. 131, 132, 156, 161, 221.

Spanish. 109, 110, 111, 115, 116, 131, 132, 134, 135, 145, 221-222, 241, 391, 393, 395.

RURAL SOCIAL ECONOMICS. 101, 134, 271abc, 301abc, 305abc, 311abc.

SOCIOLOGY. 151, 152, 160, 161, 168, 171, 173, 175, 185, 186, 192, 193, 198, 208, 209, 210, 215, 253, 327, 328, 329, 331, 332, 333, 341.

ZOOLOGY. 103, 104, 105, 106-107-108, 109, 110, 209-210-211, 212-213-214, 215, 316.

ADDITIONAL COURSES. Certain courses in the School of Law, with the permission of the committee under which the student is working and of the administrative board, may be elected as minors for graduate credit as follows:

Law. Negotiable Instruments, Municipal Corporations, Carriers, Insurance, Sales, Corporations, Constitutional Law, Criminal Law, Evidence, Persons.

THE SUMMER SCHOOL, 1934

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President*.
WALTER CLINTON JACKSON, B.S., LL.D., *Director of The Consolidated Summer Schools*.
NATHAN WILSON WALKER, A.B., Ed.M., *Associate Director*.

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GENERAL STATEMENT

The old "Summer Normal" at the University was a pioneer in the Summer School field. It was established in 1877 by Dr. Kemp P. Battle, and it seems to have been the first of its kind in America. It ran for a period of eight years and was suspended in 1884. The Summer School for teachers was revived in 1894 and ran for a period of eleven years, that is until 1904, when it was again suspended. It was revived again in 1907 and has been operated regularly every summer since that date. Prior to 1914, with the exception of one year, no credit for University degrees was granted for work accomplished in the Summer School. In that year the faculty voted to grant degree credit with specified limitations for work accomplished in the summer. For a number of years regular college courses and the old type of normal school courses were continued side by side. As the number of advanced undergraduates and graduate student increased in the summer term the older normal school courses were gradually eliminated, until now, as has been the case for several years, all work offered in the summer carries degree credit.

Ever since 1923 the Summer School has been operated for two terms of approximately six weeks each, or the equivalent of a regular quarter.

For a list of the courses offered, the instructional staff, and other detailed information, the reader is referred to *The Summer School Bulletin*, 1934.

THE UNIVERSITY EXTENSION DIVISION

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* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

† Absent on leave, 1934-1935.

GENERAL STATEMENT

By means of correspondence instruction, extension classes located in all parts of the State, radio lectures, extension library service, reading courses, community dramatics, interscholastic activities, and a variety of publications, the University of North Carolina, through the Extension Division, is relating itself closely with the life of North Carolina. The University campus is now virtually coterminous with the boundaries of the commonwealth.

Starting as a Bureau of Extension in 1912 under the leadership of Dr. L. R. Wilson, former University Librarian, the idea of university extension was clarified and expanded under the administration of the late President Edward Kidder Graham. In 1921, in conformity with standards established by the National University Extension Association, the work was organized as a major division of the University by President Harry W. Chase.

In his inaugural address, November, 1931, President Frank Porter Graham defined the purposes of university extension thus: "It is the function of the state university not only to find its bits of truth and teach the truth gathered from scholars everywhere, but to carry the truth to the people that they may take it into their lives and help to make it prevail in the world of affairs. It is the ideal of the University Extension Division to make the resources of the universities, the discoveries of science, and the findings of the social scientists available for the people of the commonwealth."

The Extension Division is the administrative agency through which are conducted the extension activities of all the University's departments. Within recent years, moreover, the Division has developed a specialized program of adult general and professional education unrelated to the work of the resident departments. Other educational services are being offered men and women whose formal schooling has ended, but who still desire to continue their education regardless of higher academic awards. In meeting the demands of this growing group, the future of the University Extension Division as an agency for adult education holds the greatest promise of development.

BUREAU OF CLASS INSTRUCTION

Extension courses in regular University subjects are offered in communities throughout the State. These courses are taught by members of the University Faculty and, when all requirements are met, give the same credit as courses in residence. Those not wishing degree credit are also eligible to enroll in extension classes. The classes usually meet one evening a week for sixteen weeks, for which a half course or two semester hours of degree credit may be earned. The fee for each half course is \$7.50. An individual or group wishing to organize an extension class should make written application to the University Extension Division, giving the following information:

probable number of enrollments, general type of persons who wish to join the class, course desired, when and where the class wishes to meet, and who will have charge of the local arrangements.

Courses Offered

The Extension Division attempts to offer most of the courses listed in the University Catalogue in any community where a sufficient number of people desire to enroll.

In order to conserve space, all other information and regulations concerning extension courses are omitted here but may be secured by sending a written request to the University Extension Division.

In-Service Teacher Training

Working in close coöperation with the Department of Education, the Division conducts a specialized and carefully arranged program for the training of teachers now working in the schools of the State. The aim of this program is to improve instruction in the schools and to offer opportunities for the professional growth of teachers.

BUREAU OF CORRESPONDENCE INSTRUCTION

All information and regulations concerning correspondence courses offered by the University are contained in the catalogue of Correspondence Instruction issued separately.

LIBRARY EXTENSION DEPARTMENT

The aim of the Library Extension Department is to encourage discussion of current political, social, and economic problems, as well as to assist in the study of good literature. Reference material is supplied for such study.

One section renders assistance with programs and reference material, usually of a literary nature, to women's clubs and study groups, for which service a small charge is made. Another section renders assistance to schools, both to students and teachers, as well as to other individuals not organized in group study. This material is usually on current problems of a political, social, or economic nature.

BUREAU OF LECTURES, SHORT COURSES, AND RADIO

The University conducts a lecture bureau for the purpose of aiding schools, civic clubs, and other organizations in obtaining speakers. Addresses for special occasions, such as school and college commencements, are also arranged upon application.

No fee for lecture service is charged, but the traveling and incidental expenses of the lecturer are defrayed by the organization for which the lecture is made. Lecture courses also may be arranged.

From time to time the University has held at Chapel Hill short courses or institutes for various organizations and groups. These

consist in an intensive training program or course ranging in duration from one day to two weeks. The program is composed of a specialized series of lectures, discussions, and demonstrations directed by leading speakers and teachers secured from the faculty of the University and from the State and nation. Short courses have been offered to high school athletic directors, welfare workers, parents, secretaries of chambers of commerce, police officers, realtors, and members of the State Press Association.

In addition to those mentioned above, the Division will be glad to aid other organizations or groups in arranging for a short course, institute, special meeting, or convention.

Individual lectures and lecture courses by members of the faculty and entertainment programs by University musical and dramatic organizations are broadcast each year through the courtesy of radio stations in Durham and Raleigh.

BUREAU OF COMMUNITY DRAMA

The services of the Bureau of Community Drama are available to all schools, colleges, and communities throughout the State. Suggestions and advice on play production, and aid in solving any particular problem of the director of dramatics may be obtained from this bureau.

Assistance is given in organizing, in play selection, in the designing and making of scenery, in costuming, and in make-up and lighting. Arrangements may be made for assistance in the direction of a chosen play.

The bureau has at its disposal more than two thousand volumes of play books, books on acting, play production, little theatre organization, play writing, stagecraft, lighting, costuming, make-up, etc. These are loaned upon payment of the postage and packing charges.

By giving practical assistance to those interested in writing and producing plays, the bureau is seeking to promote and encourage dramatic art in the schools and communities of North Carolina, and to stimulate interest in the writing of native drama.

BUREAU OF COMMERCIAL AND INDUSTRIAL RELATIONS

This bureau is under the supervision of the School of Commerce of the University. The members of the staff cooperate with the manufacturing, banking, and commercial interests of the State in the solution of any problems brought to their attention. Laboratories, statistical information, research methods, interpretative devices, and expert opinion are available for use by any worthy individual or organization. Problems may be submitted for study and opinion, or arrangements may be made for a member of the staff to visit the establishment or community for first-hand observation and study.

BUREAU OF COMMUNITY MUSIC

The Department of Music offers the following services: (1) leadership for community sings; (2) formation of community choruses; (3) lectures on public school and community music; (4) piano, violin, and organ recitals; (5) advisory service to schools; (6) concerts by the University Symphony Orchestra, the Symphonic Band, and the University Glee Club.

BUREAU OF MUNICIPAL GOVERNMENT RESEARCH AND INFORMATION

This bureau answers specific inquiries with reference to legislation, charters, and other matters covering city and town government. Through the Library Extension Service bibliographies, reading lists, and books on municipal subjects are loaned. The bureau also undertakes to advise town and city officials concerning their problems, and to direct them to sources of assistance.

BUREAU OF ECONOMIC AND SOCIAL SURVEYS

Before a definite movement is inaugurated to upbuild a county or community from an economic and social standpoint it is necessary to have at hand an accurate summary of existing facts. What is known as the "social survey" is the best method of securing such facts.

For years the Department of Rural Social-Economics of the University has been collecting data on social and economic conditions in North Carolina. This material is available through loans from the library, articles in the *University News Letter*, and bulletins which record the results of a number of county surveys. *The University News Letter*, which is edited by this department, appears twenty-five times each year.

BUREAU OF RECREATION

This bureau offers service in public recreation and leisure time problems through the School of Public Administration. Bibliographies and reading lists on the subjects of sociology, community organization, etc., are provided upon request.

BUREAU OF HIGH SCHOOL DEBATING AND ATHLETICS

The University Extension Division, through this bureau, offers service to the high schools of the State by means of contests in debating, athletics, and academic subjects.

The High School Debating Union of North Carolina is the medium through which assistance in debate is offered. This organization was established in 1912-1913. Approximately two hundred high schools, grouped in triangles, discuss some important question each year. The schools winning both debates send their teams to the University to compete during High School Week in the final contest for the Aycock Memorial Cup.

The High School Athletic Association of North Carolina is the agency through which assistance in athletics is offered. This association conducts State high school contests in football, basketball, boxing, wrestling, baseball, track, soccer, golf, and tennis. The high schools compete in groups for the honor of representing the eastern and western sections of the State, and the teams winning the sectional contests meet at Chapel Hill in the finals. Approximately three hundred schools are members of this association.

The high school contests in academic subjects are conducted jointly by this bureau and by the University departments concerned. Academic contests are conducted in Latin, Spanish, French, and mathematics. High school newspaper, magazine, and essay contests are also conducted.

BUREAU OF EDUCATIONAL INFORMATION AND ASSISTANCE

The bureau is maintained through the coöperation of the Department of Education. The several members of the faculty of the Department offer to the State the following lines of service: educational tests and measurements; school surveys; teachers' appointments; advice and counsel with reference to school buildings, equipment, and general administrative problems.

EXTENSION TEACHING AND THE PRESENT ECONOMIC EMERGENCY

Realizing that financial conditions throughout the State make it prohibitive for many persons to attend college or to continue their advanced studies, the Division is offering several economical plans for college and adult education of special interest to recent graduates of North Carolina high schools. These plans are described in an issue of the *Extension News* which will be sent upon request.

OTHER SERVICES

Visual Instruction. The Chronicles of America Photoplays are distributed in North Carolina and South Carolina in coöperation with the Yale University Press Film Service.

Parent-Teacher Association. The work of the extension field representative of the North Carolina Congress of Parents and Teachers is administered by the Division. Local associations interested should write to the Director for information.

Art Exhibits. Aids in art education and appreciation are available this year through the assistance of the Southern Art Projects.

PART FIVE

THE SCHOOL OF LAW
THE SCHOOL OF MEDICINE
THE SCHOOL OF PHARMACY
THE SCHOOL OF LIBRARY SCIENCE

THE SCHOOL OF LAW

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President*.
ROBERT BURTON HOUSE, A.M., *Dean of Administration*.
MAURICE TAYLOR VAN HECKE, Ph.B., J.D., *Dean*.

*THE ADMINISTRATIVE BOARD

HOWARD WASHINGTON ODUM, Ph.D., LL.D.	ROBERT HASLEY WETTACH, A.M., LL.B., S.J.D.
DUDLEY DEWITT CARROLL, M.A.	MILLARD SHERIDAN BRECKEN- RIDGE, Ph.B., LL.B.
FREDERICK BAYS MCCALL, A.B., LL.B.	

SPECIAL STAFF

ATWELL CAMPBELL MCINTOSH, A.M., LL.D., *Kenan Professor Emeritus of Law*.
ROBERT HASLEY WETTACH, A.M., LL.B., S.J.D., *Professor of Law*.
†ALBERT COATES, A.B., LL.B., *Professor of Law*.
MILLARD BRECKENRIDGE, Ph.B., LL.B., *Professor of Law*.
MAURICE TAYLOR VAN HECKE, Ph.B., J.D., *Professor of Law*.
FREDERICK BAYS MCCALL, A.B., LL.B., *Professor of Law*.
FRANK WILLIAM HANFT, A.B., LL.B., S.J.D., *Associate Professor of Law*.
JAMES HARMON CHADBURN, A.B., J.D., *Assistant Professor of Law*.
JOHN ELDON MULDER, A.B., LL.B., LL.M., *Assistant Professor of Law*.
EDWIN MARVIN PERKINS, A.B., J.D., *Lecturer on Taxation*.

GENERAL STATEMENT

History.—The law school, which developed into the School of Law of the University, was founded in 1843 at Chapel Hill as a private school by William H. Battle, then a judge of the Superior Court, later a justice of the Supreme Court of the State. In 1845 Judge Battle was made Professor of Law in the University, and it was provided that the degree of Bachelor of Laws should be conferred on those completing the prescribed two-year course. From the records of the University, however, it seems that few degrees were actually

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

† Absent on leave, second semester, 1934-1935.

conferred. For a long time the school maintained a certain independence of the University. The Professor of Law received no salary, though he enjoyed the fees from his classes, and the students were not entirely subject to the discipline of the University.

This was the position of the school from its formation until 1899, a period which covered the professorship of Judge Battle who retired in 1879; two years when the law classes were conducted by Kemp P. Battle, then President of the University; and the professorship of John Manning, elected 1881, died 1899. In 1899 the school was completely incorporated into the University, with the late James C. MacRae, previously a justice of the Supreme Court of North Carolina, as the first Dean of the Law School.

The School of Law having complied in full with the requirements set up by the American Bar Association has been classed as an "approved law school."

The School of Law is a member of the Association of American Law Schools, an association composed of the leading law schools in the United States.

A carefully compiled list of approved law schools, whose credits are acceptable as evidence of due preparation for the New York Bar Examinations, is published by the University of the State of New York. The School of Law is accredited in this list for the full three years' work.

REQUIREMENTS FOR ADMISSION

Regular Students

The matter of admission to the School of Law, as to all the other schools and colleges of the University, is arranged through the Dean of Admissions of the University.

The Dean of Admissions passes upon all applications for admission, and all inquiries as to eligibility to enter should be addressed to him. Those who intend to enter must furnish to him (a) a certificate of successful vaccination against smallpox, and (b) a certificate showing the completion of a four years' high school course of fifteen units and the completion of not less than three years of college work, which must be approved as satisfactory. These certificates should be sent by mail to the Dean of Admissions at least two weeks before registration day, if possible.

The academic requirements for admission to the School of Law may be satisfied by:

(1) An *academic degree* from the University of North Carolina or any other standard college or university approved by the Dean of Admissions.

(2) *Three years* of academic work prescribed in the "Combined Course in Arts and Law" or in "Commerce and Law" as described below.

(3) *The first three years complete* of the regular work prescribed for a degree (a) in the College of Liberal Arts, or the School of Commerce, or (b) in a similar curriculum in some other standard college or university.

Beginning in September, 1935, all regular applicants for admission to the Law School must have received a grade of C or better in at least fifty *per cent.* of their undergraduate courses.

Special Students

A limited number of special students, not candidates for a degree, with less than the required three years of academic training may be admitted. They must be at least twenty-three years of age, and must furnish evidence to satisfy the law faculty that their experience and training have specially equipped them to engage successfully in the study of law despite the lack of the required college credits. The number of such special students admitted each year may not exceed 10% of the average number of students admitted by the school as beginning regular law students during the two preceding years. Applications for admission to the Summer School as special students will be acted upon on May 15; for admission in the regular session, on September 1, each year.

Admission to Advanced Standing

A student from another school of law, in which the requirements for admission are at least as high as in this school, may be admitted for advanced standing for the degree of LL.B. As a rule no more than one year's work will be so credited without residence, but with the consent of the law faculty two years' work may be credited in exceptional cases, provided the last year of work for the law degree is done in residence. A student seeking admission to advanced standing must present satisfactory evidence that the work taken in another school is substantially equivalent to that given in the corresponding year here, both in the character of the work covered and in the amount of time devoted to each subject.

EXPENSES

See pages 47-51.

Summer Law School fees for 1934 (exclusive of laundry deposit) were: residents \$40.00 each term or \$75.00 for both terms; non-residents, \$55.00 each term or \$100.00 for both terms. These fees are subject to change.

Books

Books for law students, bought new, will average about \$50.00 a year. A saving below this figure can be made by taking advantage of the secondhand market.

Board

Excellent board is furnished at Swain Hall for \$22.50 a month. A few students can earn their board by waiting on the tables.

DEGREES

The Degree of LL.B.

The degree of Bachelor of Laws (LL.B.) is conferred upon a regular student who has studied law for a period of at least three academic years, and has passed satisfactory examinations on all required subjects and enough elective subjects to make up an aggregate of seventy-eight semester hours. Two long sessions and three summer sessions of at least ten weeks each are regarded as a compliance with the residence requirement.

The Degrees of A.B. and LL.B.

The University offers a combined curriculum in the College of Liberal Arts and the School of Law by completing which students may receive the two degrees of A.B. and LL.B. in six years instead of the seven years required for the two degrees in the regular curricula.

Upon the completion of the courses in the College of Liberal Arts outlined below, *before matriculation in the School of Law*, and the completion of the first year of Law to the satisfaction of the School of Law, a student may receive the degree of A.B., and, upon the satisfactory completion of the third year of Law, the degree of LL.B.

Prescribed courses in the College of Liberal Arts for the two degrees of A.B. and LL.B.:

FIRST YEAR		SECOND YEAR		THIRD YEAR
Eng. 1-2-3		Eng. 21-22-23		Econ. 31-32-33 (if not already taken).
Soc. Sci. 1-2-3		Hist. 44-45-46 or 47-48-49		†English 44 and one other course of 5 quarter hours.
*Math. 1-2-3				‡Hist. and Govt.—2 courses of 5 quarter hours each.
Select one {	Greek 11-12-13	Select one {	Econ. 31-32-33	Psychology 21-22-23 (if not already taken).
	French 11-12-13		Gov't. 31-32-33	One Elective of 5 quarter hours (or as many as needed to complete 45 quarter hours above the freshman and sophomore years.
	German 11-12-13		Hist. 44-45-46	
	**Latin 11-12-13		Hist. 47-48-49	
	Spanish 11-12-13		Philos. 21-22-23	
Select one {	Biology 1-2-3	Select one {	Sociol. 31-32-33	
	Chem. 1-2-3		**Latin 21, 24-25	
	Geology 1-2-3		Greek 21-22-23	
			French 21-22-23	
			German 21-22-23	
			Spanish 21-22-23	
		Select one {	Botany 41, 43	
			Chem. 1-2-3	
			Physics 21-22-23	
			Zoölogy 41, 42	
			Botany 41 and Zoölogy 41	
			Geology 11-12-13	
			Psychol. 21-22-23	

* Latin 11-12-13 or Greek 11-12-13 may be substituted for Mathematics 1-2-3 provided German or French or Spanish or the other classical language has been chosen as the student's regular foreign language.

** Latin 11-12-13, 21, 24-25 are to be taken by students who have presented two units for entrance.

† The School of Law recommends that the optional course chosen be Advanced Composition, Eng. 52.

‡ The School of Law recommends that the courses in History and Government be courses in English and American History or Government.

The School of Law suggests the courses named below as suitable electives in this course, but choice is not restricted to these: English 52, 53, 54; Psychology 138 (Legal Psychology), 140; History 161, 162; Economics 81, 82, 195; Sociology 42, 192.

The A.B. degree, on this basis, is conferred at the end of the fourth year (first year in Law) provided the student has passed all the work of the first year of Law to the satisfaction of the School of Law.

The Degrees of S.B. in Commerce and LL.B.

The University offers a combined curriculum which leads to the degree of S.B. in Commerce at the end of four years and LL.B. at the end of six years.

The first three years of this combined curriculum are in the School of Commerce and are devoted to the subjects outlined below. The last three years are in the School of Law and are devoted to the courses prescribed for the LL.B. degree.

The degree of S.B. in Commerce, on this basis, is conferred at the end of the fourth year (first year in Law) provided the student has passed all the work of the first year of Law to the satisfaction of the School of Law.

Prescribed courses in the School of Commerce are as follows:

FIRST YEAR	THIRD YEAR
Economics 9, 11	Commerce 51
English 1-2-3	Commerce 71-72
Soc. Sci. 1-2-3	Economics 81-82
Mathematics 1-2-3	Economics 191 or
*Modern Language: 11-12-13	Economics 195
	Psychology 21-22-23
SECOND YEAR	Two courses chosen from the
Economics 31-32-33	courses offered by the De-
†Economics 35 or History 167	partment of Economics and
English 21-22-23	Commerce.
English 45 or 52	
*Modern Language: 21-22-23	
Government 51	
Natural Science: year course	

The Degree of J.D.

The degree of Doctor of Law (Juris Doctor—J.D.) will be conferred upon students who comply with all the following conditions:

1. Complete the work requisite for the A.B. degree or its equivalent before entrance upon the work of the School of Law.
2. Study law for a period of at least three academic years.
3. Obtain an average grade of B on enough subjects to complete the requirements for the LL.B. degree.

* The total requirement in modern languages is the completion of courses 11-12-13 and 21-22-23 based upon 2 units completed in high school or of courses 1-2-3 and 21-22-23.

† If history 167 is selected, it may not be taken until the junior year. In this case Psychology 21-22-23 should be taken in the sophomore year.

4. Prepare and have accepted for publication in *The Law Review* an article of at least ten pages, or case notes which in the aggregate shall be at least eight pages in length.

The Degree With Honors

The degree with honors will be conferred, upon recommendation of the faculty, upon students selected from the highest one-tenth of the graduating class.

EXAMINATIONS, GRADES, ELIMINATION, ATTENDANCE

EXAMINATIONS. Mid-semester quizzes will be held in each first-year course in November and in April. At the end of the first semester, examinations will be given in all courses running through the year. Final examinations are held at the end of the first semester in all subjects then completed, and at the close of the year in all other subjects.

GRADES. The grading of students will be indicated by the letters A (80 and above), B (75-79), C (67-74), D (60-66), F (below 60), representing respectively excellent, good, satisfactory, poor, and failed. A student receiving the grade of F (failed) in any subject will be required to repeat the course.

Full credit may not be secured for more than ten semester hours of D grade work in one long session, nor for D grade work in more than one-half the hours taken in a summer session. D grade work in excess of these amounts will carry only one-half the usual credit towards a degree.

ELIMINATION OF STUDENTS. A student must obtain a grade of D or better in at least two-thirds of the total number of semester hours for which he registers, and any student who fails to do so shall thereby automatically be excluded from further work in the School. Likewise, the faculty may drop from the school at any time a student who, in their judgment, is not making sufficient progress to warrant his continuing in the School.

Any instructor, with the concurrence of the Dean, may drop a student from a course at any time, for unsatisfactory work, poor attendance, or other good cause.

NUMBER OF HOURS OF WORK REQUIRED AND PERMITTED

The normal amount of work is twelve to fourteen class hours per week. The absolute maximum is fifteen. Students taking courses in other departments of the University, or who are carrying burdensome responsibilities, or who are deficient in their work, will be required to register for less than normal Law School work.

No student taking less than ten hours will be considered as complying with the residence requirements for University degrees or for the State Bar Examination. Special regulations are applicable to the Summer Session.

DIVISION OF ACADEMIC YEAR: DATES

Work in the School is divided into two semesters instead of into three quarters. The first semester begins at the same time as the fall quarter of the College of Liberal Arts, and ends on the last Saturday in January. The second semester begins on Monday after the last Saturday in January and ends at the same time as the third quarter of the College of Liberal Arts. The first day of each semester is Registration Day. The fee for late registration in either semester is \$5.00.

Beginning students may enter the School in the summer session, or at the opening of the first semester in the fall. They may not enter at the beginning of the second semester.

STUDENTS FROM OTHER STATES

While greater emphasis is placed upon North Carolina decisions and statutes than upon those of the other states, the legal doctrines are studied as part of the Anglo-American common law system and the case-books used are selections of cases taken from the American and English jurisdictions. Students from other states are encouraged to investigate the decisions and statutes of their own states in regard to the questions discussed, and the law library provides the materials necessary for such investigation. The law course as a whole is designed to prepare the student in the fundamentals of the common law in such a manner as to fit him for practice in any state.

SUBJECTS OF INSTRUCTION

All subjects in the first year are prescribed. Those in the second and third year are elective, but second-year students may not elect third-year subjects except by permission of the Dean.

First Year

ADMINISTRATION OF JUSTICE

The organization, objectives, ethics, and training of the legal profession; the organization and functions of the judiciary. McCormick's *Cases on Court Organization*. Llewellyn's *The Bramble Bush*. One hour, first semester. Professor Van Hecke.

CIVIL PROCEDURE I

The development of the English and American court systems, and of the various forms of action, at common law and under the codes; a cross-section of modern code pleading and procedural problems. Clark's *Cases on Procedure*, Vol I. Two hours, second semester. Professor Chadbourn.

CONTRACTS I

Contract problems arising in the fields of employment, construction projects, gratuities, loans, and sales of chattels. Havighurst's *Contract Cases*. Three hours, both semesters. Professor Mulder.

CRIMINAL LAW

Introduction: the problem of criminal justice. The history of criminal procedure, nature and elements of a crime, act and intention. Attempts,

jurisdiction, consent, recrimination and condonation, culpability as affected by necessity, duress, coverture, infancy, insanity, etc. Justification and excuse, self-defense. Parties. Criminal conspiracy. Former jeopardy. Specific crimes: homicide, rape, assault, larceny, embezzlement, false pretenses, receiving stolen property, robbery, burglary, arson, forgery, perjury, Sayre's *Cases on Criminal Law*. Three hours, first semester. Professor Coates.

LEGAL BIBLIOGRAPHY

A practical course in the use of law books. The problems assigned require finding authorities upon concrete fact situations through the use of digests, encyclopedias, textbooks, annotated cases, and constitutional and statutory sources. *Law Books and Their Use* (5th ed.). One hour, second semester. Miss Elliott; Professor Van Hecke.

PERSONAL PROPERTY

Distinction between real and personal property. Possession. Bailment. Rights of finders. Liens. Pledges. Acquisition of ownership. Fixtures. Emblements. Bigelow's *Cases on Personal Property* (2nd ed.). Two hours, first semester. Professor McCall.

REAL PROPERTY I

Historical background of feudal system of land tenures in England and tenure in the United States. The creation of estates in land, free-hold and non-freehold; their characteristics and incidents. Conveyances at common law. Concurrent estates in land. Reversions and remainders. Incidents of possessory ownership, including lateral and subjacent support, use of streams and of surface and percolating waters, and freedom from interference with and restrictions on enjoyment of ownership. Uses. Powell's *Cases on Possessory Estates*. Three hours, second semester. Professor McCall.

TORTS

Principles of tort liability as developed in the action of trespass; justification and excuse; negligence as a basis of liability; common law and statutory duties of care; legal cause; contributory negligence; absolute liability; deceit; defamation; malicious prosecution; and abuse of process; interference with social and business relations. Bohlen's *Cases on Torts* (3rd ed.). Three hours, both semesters. Professor Wettach.

Second and Third Year

AGENCY

Distinction between agency and other legal relationships. Express, implied, and apparent authority of agent; liability of disclosed and undisclosed principal to third party in contract and in tort; liability of agent to third party and of third party to principal and agent; ratification of unauthorized acts; termination of agency. Assigned problems will also be given in the law of workmen's compensation. Steffen's *Cases on Agency*. Not given in 1934-1935. Professor Breckenridge.

CIVIL PROCEDURE II

A consolidation of the problems formerly treated in the courses in code pleading, trial procedure, and a part of trial and office practice. It emphasizes the proceedings in actions brought under the code system of procedure from their commencement, through the pleading and trial stages, to appellate review and the enforcement of final judgment. Clark's *Cases on Procedure*, Vol II, and Hinton's *Cases on Trial Practice*. Three hours, both semesters. Professor Cradbourne.

CONTRACTS II

The consequences of various types of defects in the formation and performance of contracts; legal and equitable remedies, including reformation, cancellation, and quasi-contractual relief; conditions; impossibility; fraud and misrepresentation; duress; undue influence, economic pressure; mistake of fact and of law. Patterson's *Cases on Contracts II*. Three hours, first semester. Professor Mulder.

CREDIT TRANSACTIONS

Devices employed in furnishing security, including suretyship, guaranty, mortgages, deeds of trust, trust receipts, pledges, and conditional sales. Treated from the standpoint of problems gathering about the bargain at various stages from inception to completion, and the objectives obtainable by different forms of transaction. Sturges' *Cases on Credit Transactions*. Three hours, both semesters. Professor Hanft.

CRIMINAL LAW ADMINISTRATION

Organization and procedure in criminal courts: city, county, state, and federal; machinery and methods for prevention of crime, detection, apprehension, and trial of criminals; agencies for punishment, probation, pardon, and parole. Keedy's *Cases on Administration of Criminal Law*. Three hours, first semester. Professor Coates.

EQUITY

The historical development of courts of equity in England and America; the fusion movement; equitable defenses and transfer acts; the procedural problems connected with specific performance, injunction, contempt, and declaratory judgments. Clark's *Cases on Procedure*, Vols. I and II (parts). Four hours, first semester. Professor Van Hecke.

LOCAL GOVERNMENT

Constitutional limits within which the cities, counties, and state may operate; functions performed by the various local governmental units; their interlocking, overlapping, and conflicting interests. Seasongood's *Cases on Municipal Corporations*. Three hours, second semester. Professor Coates.

NEGOTIABLE INSTRUMENTS

Form and content of checks, drafts, notes, and trade acceptances; their use in the business and banking fields, negotiability, acceptance, and certification; rights of holder in due course and liability of parties; clearance and collection of checks, presentment, notice of dishonor; the provisions of the negotiable instruments law. Britton's *Cases on Bills and Notes* (2nd ed.). Four hours, second semester. Professor Breckenridge.

REAL PROPERTY II

Possessory titles. Prescription. Accretion. Mode of conveyance at common law, under the Statute of Uses, and under modern statutes. Execution of deeds. The property conveyed. Creation of easements by implication. A brief review of estates created. Covenants for title. Estoppel by deed. Priorities. Aigler's *Cases on Titles* (2nd ed.). Three hours, first semester. Professor McCall.

SALES

Commercial devices and forms of bargain used in the sale of goods; transfer of title; risk of loss; warranties; rights of buyer and seller. Woodward's *Cases on Sales* (3rd ed.). Three hours, second semester. Professor Hanft.

VENDOR AND PURCHASER

The real estate contract: Statute of Frauds, performance of the contract, rights of parties pending transfer of title, equitable conversion, remedies, assignments. *Handler's Cases on Vendor and Purchaser. Three hours, second semester.* Professor Mulder.

WILLS AND ADMINISTRATION

The substantive and adjective law of wills. The administration of estates, including the management, distribution, and settlement of intestate estates. *Mechem and Atkinson's Cases on Wills and Administration. Three hours, second semester.* Professor McCall.

Third Year**ADMINISTRATIVE LAW**

The separation and delegation of powers. The development of the administrative function. Administrative discretion, notice, hearing, jurisdiction, conclusiveness of determination and judicial control. Special reference to administrative problems of the NRA and the AAA. Individual research. *Frankfurter and Davidson's Cases on Administrative Law. Three hours, second semester.* Professor Wettach.

CONFLICT OF LAWS

Jurisdiction of courts and foreign judgments. The applicability of rules of foreign or extra-state law in respect to procedure, torts, workmen's compensation, contracts, sales, mortgages, business organizations, domestic relations, and administration of estates. *Lorenzen's Cases on Conflict of Laws (3rd. ed.). Not offered in 1934-1935.* Professor Wettach.

CONSTITUTIONAL LAW

Judicial function of giving effect to constitutions. The national state and its governmental organization. Citizenship, national and state. Separation and delegation of governmental powers. Due process and equal protection of the laws. Power of eminent domain. Retroactive laws. Regulation of commerce. The treaty power. Particular reference to contemporary federal legislation with opportunity for individual research. *McGovney's Cases on Constitutional Law. Three hours, first semester.* Professor Wettach.

CORPORATIONS

The nature of a corporation; promotion of corporations; corporate powers; corporate liability for torts and crimes; unauthorized corporate action, including doctrines of *de facto* corporations, and *ultra vires* acts; officers, stockholders, and creditors of corporations. *Richards' Cases on Corporations (2nd ed.). Four hours, first semester.* Professor Breckenridge.

CORPORATION FINANCE

The corporation as an instrument of finance and business activity, including corporate contracts and securities; and the processes of corporate financing, including negotiations for capital, investment banking operations, issuance of and market for securities, expansion, and reorganization. *Douglas & Shanks' Cases on Corporation Finance. Three hours, second semester.* Professor Breckenridge.

DEBTORS' ESTATES

Methods of liquidation of the estates of insolvents; compositions and assignments for the benefit of creditors; receiverships; bankruptcy, administration thereunder. *Sturges' Cases on the Administration of Debtor's Estates. Not given in 1934-1935.* Professor Hanft.

EVIDENCE

Judicial notice. Presumptions and burden of proof. Functions of court and jury. Witnesses: examination, competency, and privilege. Rules of exclusion: evidence illegally obtained; the hearsay rule and its exceptions. Rules as to writings: evidence of authenticity; best evidence rule; parole evidence rule. Opinion evidence. Remote and prejudicial evidence. Character and reputation. Morgan and Maguire's *Cases on Evidence*. Four hours, first semester. Professor Chadbourn.

FUTURE INTERESTS

The classification of future interests, including rights of entry for condition broken, reversions, vested and contingent remainders, Rule in Shelley's Case, and future interests in personal property; the construction of limitations in deeds and wills; powers; the rules against perpetuities; and illegal conditions and restraints on alienation. Kales' *Cases on Future Interests*. Three hours, first semester. Professor McCall.

JURISPRUDENCE

The nature and object of law; its scope and subject matter; changes in legal philosophy under the dominating ideas of succeeding ages; present-day juristic thought; justice and law. Assigned readings. Two hours, second semester. Professor Hanft.

LABOR LAW

Legality of means and objects of labor organizations. Various forms of pressure (such as strikes, lockouts, and boycotts) used to secure contracts more favorable to either party. Injunctions and damages in labor disputes. Federal jurisdiction over labor disputes. Regulatory labor legislation with particular reference to recent federal legislation and labor problems under the NRA. Landis' *Cases on Labor Laws*. Two hours, second semester. Professor Wettach.

PUBLIC UTILITIES

Railroads and other carriers; electric, gas, water, telephone and telegraph companies; other businesses affected with a public interest. Liability, rates, service. Commission regulation. Smith and Dowling's *Cases on Public Utilities*. Three hours, first semester. Professor Hanft.

STATUTORY CONSTRUCTION

Statutory revisions; laws enacted at same session; statutes adopted from other states; extrinsic aids in statutory construction; special, private, and local legislation; amendments and repeals; special problems. Assigned cases and readings. Two hours, second semester. Professor Van Hecke.

TAXATION

A seminar on the legal aspects of current problems in taxation. Two hours, second semester. Mr. Perkins.

TRADE REGULATION

Contracts in restraint of trade and competition; monopolies; the federal and state anti-trust acts; unfair business practices at common law, in equity, and under statutes, including the NIRA. Casebook to be announced. Three hours, first semester. Professor Breckenridge.

TRUSTS

Historical development of uses and trusts, formal elements of the trust structure, some modern uses of the trust in connection with the family, taxation, business, security, and charitable gifts; purposes effected by equity through the use of the trust device, some problems of trust administration, the trust and third persons. Carey's *Cases on Trusts*. Three hours, second semester. Professor Van Hecke.

THE SUMMER SCHOOL

The summer session of the School of Law offers opportunities for students to supplement the work of the regular year by additional courses, some of which are not otherwise available, or to shorten the period of study for the law degree to two regular years and three summer sessions. The summer session is divided into two terms of five and one-half weeks each. Separate credit may usually be obtained for the work of each term. Attendance throughout the entire summer session enables the successful student to obtain credit equivalent to one-third of a regular year's work.

A full curriculum is provided for both beginning and advanced students. The faculty always includes as visiting professors a number of distinguished law teachers from other universities.

The program for the 1934 summer session follows:

FIRST TERM, JUNE 13 TO JULY 21

DAMAGES

Charles T. McCormick, Northwestern University.

DEBTORS' ESTATES

Frank W. Hanft, The University of North Carolina.

DOMESTIC RELATIONS

Lon Fuller, Duke University.

REAL PROPERTY

Frederick B. McCall, The University of North Carolina.

SECOND TERM, JULY 23 TO AUGUST 29

CONFLICT OF LAWS

Walter Wheeler Cook, The Johns Hopkins University.

TAXATION

Henry Rottschaefer, The University of Minnesota.

CIVIL PROCEDURE I

James H. Chadbourn, The University of North Carolina.

PERSONAL PROPERTY

Robert H. Wettach, The University of North Carolina.

THE LAW BUILDING

The Law School occupies Manning Hall, named for John Manning, from 1881 to 1899 a distinguished professor in the School. The building was erected in 1923 and, besides being modern and commodious, is particularly notable for beauty of design.

THE LAW LIBRARY

The library has 27,500 well selected volumes on its shelves. These include the reports of the courts of last resort of all the states, either in official volumes or the National Reporter System, and also the

United States Supreme Court Reports, The Federal Reporter, The New York Supplement, Illinois Appellate Reports, The English Reports Reprint, The Law Reports (English), The Law Journal Reports, The Law Times Reports, The Times Law Reports, The Dominion Law Reports, the codified laws of each state in the union, the federal and English statutes, and a comprehensive selection of digests, encyclopedias, annotated reports, textbooks, and law journals. It contains, among other material of historical legal interest, the law libraries of Chief Justice Richmond M. Pearson, Chief Justice William A. Hoke, Judge Charles M. Cooke, Judge Charles Thomas, and Judge George T. Willis. The law library was substantially augmented in 1928 by a gift from a former student of the School of \$10,000, called the Lucius Polk McGehee Memorial Fund, which was expended for the purchase of books for the law library.

THE NORTH CAROLINA LAW REVIEW

The North Carolina Law Review, issued quarterly, is published by the Law School. It is devoted to the discussion of general and local legal problems and new cases, especially those of interest to North Carolina lawyers. The notes on recent cases are prepared by the student editors, in consultation with faculty advisers. Selection of the student editors is made by the faculty on the basis of scholarship, and membership on the editorial board is the highest scholastic honor attainable by a law student before the graduating year.

The Hill *Law Review* Prize, established by George Watts Hill, Esq., of the Durham Bar, is an award of fifty dollars to the student editor who makes the best total contribution to the *Law Review* during the year. It was won in 1934 by I. E. Erb.

FACULTY RESEARCH ASSISTANTS

The faculty selects annually four assistants from the student body who conduct special research under the direction of the faculty. These assistants are chosen for outstanding proficiency demonstrated in their work as students in the School of Law.

The following students have served as research assistants during the year 1934-1935: J. B. Adams, J. A. Kleemeier, Jr., H. M. McGalliard, and E. C. Willis, Jr.

THE ORDER OF THE COIF

In thirty of the leading law schools of this country, conforming to very high standards, chapters of the honorary law school society of the Order of the Coif have been established. Membership is awarded each year to those students of the senior class who throughout their law school careers have attained a standing among the highest ten per cent. of their class. In 1934 the following were elected: J. C. Eagles, I. E. Erb, and H. L. Lobdell.

ADDITIONAL OPPORTUNITIES OF UNIVERSITY LIFE

Students in the School of Law may be admitted to the courses given in the other departments and schools of the University, subject to the rules stated as to the number of hours which a student may take, and subject to the approval of the Dean of the School of Law. A student taking such a course must satisfy the entrance requirements for the course selected.

Beginning in September, 1935, no law student shall be eligible to participate in major extra-curricular activities (such as intercollegiate athletics, either as player or manager; executive positions upon the Tar Heel and Yackety Yack; president of the student body; and others to be listed by a committee of the Law faculty) unless he maintains a B average in his Law School work. During the first semester of his first year this is to be determined by the last year of his college record and the November quiz grades in the Law School.

As students of the University, law students enjoy all privileges of the University library, the University gymnasium, and the organizations of the University generally—literary, social, and athletic.

For information as to loan funds, address *The Student Loan Fund Section, The University of North Carolina, Chapel Hill, N. C.*

For further information as to requirements for admissions, or as to living conditions, address *The Dean of Admissions, The University of North Carolina, Chapel Hill, N. C.*

For information as to courses or other matters pertaining particularly to the School of Law, address the *Dean of the School of Law, The University of North Carolina, Chapel Hill, N. C.*

THE SCHOOL OF MEDICINE

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*

ROBERT BURTON HOUSE, A.M., *Dean of Administration.*

CHARLES STAPLES MANGUM, A.B., M.D., *Dean.*

*THE ADMINISTRATIVE BOARD

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ROBERT ERVIN COKER, Ph.D.

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NIDER, M.D., Sc.D., LL.D.

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†HERMAN GLENN BAITY, Sc.D.

WESLEY CRITZ GEORGE, Ph.D.

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SPECIAL STAFF

CHARLES STAPLES MANGUM, A.B., M.D., *Professor of Anatomy.*

ISAAC HALL MANNING, M.D., *Professor of Physiology.*

WILLIAM DEBERNIERE MACNIDER, M.D., Sc.D., LL.D., *Kenan Research Professor of Pharmacology.*

JAMES BELL BULLITT, A.M., M.D., *Professor of Pathology.*

WESLEY CRITZ GEORGE, Ph.D., *Professor of Histology and Embryology.*

JOHN GROVER BEARD, Ph.G., Ph.M., *Professor of Pharmacy.*

DANIEL ALLAN MACPHERSON, Sc.M., Ph.D., *Professor of Bacteriology.*

ROBERT BAKER LAWSON, M.D., *Associate Professor of Applied Anatomy.*

EVANS WILLIAM MCCHESENEY, Ph.D., *Associate Professor of Biological Chemistry.*

GRANT LESTER DONNELLY, A.B. in Educ., M.D., *Associate Professor of Pharmacology.*

AUGUSTUS STEELE ROSE, B.S., M.D., *Associate Professor of Anatomy.*

WALTER REECE BERRYHILL, A.B., M.D., *Associate Professor of Pathological Physiology and Physical Diagnosis.*

ROBERT ALEXANDER ROSS, M.D., *Lecturer on Obstetrics.*

THOMAS HENDERSON BYRNES, B.S., M.D., *Instructor in Pathology.*

JAMES WORKMAN CULBERTSON, B.S., A.M., *Assistant in Anatomy.*

MCCHORD WILLIAMS, A.M., *Assistant in Bio-Chemistry.*

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

† Absent on leave, 1934-1935.

GENERAL STATEMENT

The School of Medicine was established in 1879 under the direction of Dr. Thomas W. Harris. A course in theoretical and practical medicine was offered under the preceptorial system, but the plan was found impracticable and was abandoned in 1886. In 1890, a more orderly and logical arrangement of the subjects in the medical course having developed, it became possible for an institution without clinical facilities to offer instruction in the pre-clinical subjects, and the school was reopened with Dr. Richard H. Whitehead as Dean and Professor of Anatomy. Under his guidance it soon won recognition for thoroughness of instruction and excellence in scholarship and has since continued without interruption to its growth. At first the course covered only one year, but in 1896, the medical course having been extended in the better class of schools to four years, a two-year course was inaugurated. In 1900 the School of Medicine was incorporated as an integral part of the University and was reorganized to meet the requirements of the first two years of the full four-year course leading to the degree of doctor of medicine. In 1902 it was expanded into a four-year school, and the clinical subjects of the third and fourth years were offered in Raleigh under the direction of Dr. Hubert A. Royster as Dean. After a few years of successful operation, this plan had to be abandoned for lack of financial support, and the clinical subjects were dropped. In 1908 the school was admitted to membership in the Association of American Medical Colleges, and is ranked in the class "A" group by the American Medical Association.

The subjects included in the four-year course in medicine are arranged into two main groups, the so-called laboratory and clinical groups, and two years of study are devoted to each. This natural division makes it possible for a student to pursue the laboratory subjects in one institution and the clinical subjects in another without loss of continuity and with no disadvantage. Students who have successfully completed the two-year course in the laboratory group of subjects offered here are prepared to begin the study of the clinical subjects and may be transferred, without examination and with full credit, into the third year of other American Medical Colleges of the highest rank.

The School of Medicine is located on the University campus in a laboratory building, Caldwell Hall, which is equipped to take care of classes of forty-two students in the first year and forty in the second. In addition to laboratories and lecture rooms, this building contains the medical section of the general University library, which for many years has been devoted chiefly to the building up of complete sets of those scientific journals which are concerned with the products of research in the fields covered by the laboratory courses taught in the school.

The students of the Medical School are regularly enrolled in the University, enjoy all the privileges of University students, and are amenable to all general University regulations and to the special regulations of the Medical School.

REQUIREMENTS FOR ADMISSION

Admission to this School of Medicine requires as a minimum preparation similar to that specified for admission to all grade "A" schools of medicine. The minimum requirements are shown on page 45. The University recommends to each applicant that he prepare himself as fully as his age and resources permit. If possible he should first secure a bachelor's degree, either A.B. or S.B., before beginning his professional study. If this is impracticable, he may secure excellent preparation by completing the academic curriculum outlined on pages 185-186.

No applicant for admission to this school will be considered unless he presents credit for at least three years of college work.

It is to be noted that this school does not contract to admit all students who have completed the three years of academic work prescribed as part of the requirement for the degree of Bachelor of Science in Medicine and outlined on pages 185-186, nor will the University confer such degree upon a student who completes at another institution the prescribed two years of medical work. To those who complete here both the academic and the first two years of medical work there is given the opportunity to obtain a bachelor's degree and the degree of M.D. in seven years.

EXPENSES

See pages 47-51 for regular quarterly expenses. In addition, a deposit of \$10 is required at the first registration of the year to cover the cost of materials purchased from the medical store room. Any balance of this deposit left at the end of the college year will be refunded.

SPECIAL NOTICE

An applicant notified of his acceptance must deposit with the Cashier of the University, not later than June 15, the sum of \$50.00; otherwise the acceptance will be withdrawn. If the applicant presents himself for registration the deposit will be accredited to his account; otherwise the deposit will be forfeited.

SCHOLARSHIPS

THE WOOD SCHOLARSHIP. (Established in 1895.) Mrs. Mary Sprunt Wood, of Wilmington, has founded a scholarship in memory of her husband, the late Dr. Thomas Fanning Wood.

THE PARKER SCHOLARSHIP. (Established in 1930.)

THE MEDICAL CURRICULUM

The medical curriculum covers two years of thirty-four weeks each, divided into three periods, or quarters, of approximately equal length.

First Year

BIOLOGICAL CHEMISTRY: Nine hours a week, winter quarter.

HISTOLOGY: Six hours a week, fall quarter; nine hours a week, winter quarter.

GROSS ANATOMY: Twenty-one hours a week, fall quarter; eighteen hours a week, winter quarter.

NEURO-ANATOMY: Twelve hours a week, spring quarter.

EMBRYOLOGY: Three hours a week, fall quarter; six hours a week, spring quarter.

BACTERIOLOGY: Fifteen hours a week, spring quarter.

MATERIA MEDICA: Three hours a week, fall quarter.

Second Year

BIOLOGICAL CHEMISTRY: Six hours a week, fall quarter.

PHYSIOLOGY: Twelve hours a week, fall quarter; twelve hours a week, winter quarter.

IMMUNOLOGY: Nine hours a week, fall quarter.

PATHOLOGY: Six hours a week, fall quarter; eight hours a week, winter quarter; twelve hours a week, spring quarter.

PHARMACOLOGY: Three hours a week, fall quarter; ten hours a week, winter and spring quarters.

SURGICAL ANATOMY: Four hours a week, winter quarter.

HYGIENE: Three hours a week, winter quarter.

PHYSICAL DIAGNOSIS: Seven hours a week, spring quarter.

OBSTETRICS: One hour a week, winter quarter.

Summary of First and Second Year

<i>Subjects</i>	<i>Hours</i>
Biological Chemistry	162
Anatomy	846
Physiology	264
Pharmacology	272
Bacteriology and Immunology	258
Pathology	332
Surgical Anatomy	40
Hygiene	33
Physical Diagnosis	70
Obstetrics	10

EXAMINATIONS

The regular examinations in the Medical School are held during the examination periods of the College of Liberal Arts at the close of each quarter. First year students will be allowed special examinations for the removal of conditions during the week preceding the close of the third quarter, or during the registration week in September.

An examination will not be allowed a student who is charged with ten per cent. of unexcused absences, or with absences amounting to twenty per cent. of the total number of hours assigned the subject.

PROMOTIONS

If a first year student makes a grade of F on any subject, or a grade of E with failure to remove it by subsequent examination, he will be required to withdraw from the school. Two grades of E debar the student from examinations to remove these conditions. A first-year student who has been dropped from the Medical School and has returned to college and done creditable work for three quarters may be considered for readmission to the first-year class.

If a second-year student makes a grade of E on any subject he may be given another examination on that subject at any subsequent examination period or during the following month of July. If the student is a candidate for S.B. in Medicine and makes a grade of E in his last quarter of residence, he is allowed to take a special examination for removal of the E not earlier than three days after his last examination in that period of examinations. But no student shall be allowed a re-examination on more than one major subject. If he makes an F on any major subject he shall not be allowed a re-examination on any subject. He may be allowed to repeat the second year with the consent of the faculty.

COURSES OF INSTRUCTION

Certain courses in the curriculum of the School of Medicine are approved by the Graduate School as minors for the master's and doctor's degree. For details see under Graduate School.

DEPARTMENT OF ANATOMY

The courses include gross and microscopic anatomy, embryology, the topography of the body, the application and relation of anatomy to medicine and surgery, and the anatomy of the central nervous system and the organs of special sense.

101. GROSS ANATOMY.

Laboratory talks, demonstrations, and conferences take the place of lectures. The student makes a complete dissection of the human body under the constant supervision and direction of an instructor, who insists upon the use of texts, guides, and atlases, and holds practical examinations upon the cadaver. Each student is provided with a complete set of disarticulated bones which he is required to demonstrate. *Twenty-one hours a week, fall quarter; eighteen hours a week, winter quarter.* Professors Rose, Mangum.

105. CENTRAL NERVOUS SYSTEM AND ORGANS OF SPECIAL SENSE.

A special laboratory study of the gross and microscopic anatomy of the cord and brain. Each student is provided with numerous prepared dissections of the human brain and a series of sections through the cord of the brain stem which he studies with the aid of a guide. A human brain is then given to each group of six men and by them dissected in order to correlate and systematize the work already done. A practical examination tests the student's ability to locate the various tracts and nuclei. *Twelve hours a week, spring quarter.* Professor Mangum. See catalogue of the Graduate School.

112. GENERAL HISTOLOGY AND ORGANOLOGY.

Includes: (a) Study of the fundamental tissues, followed by (b) the study of the microscopic structure of the organs of the body, in connection with an examination of their gross structure. Lectures, demonstrations, and laboratory. *Six hours a week, fall quarter; nine hours a week, winter quarter.* Professor George; Mr. Culbertson. See catalogue of the Graduate School.

114. EMBRYOLOGY.

(a) Lectures and laboratory study of the early processes in the formation of the vertebrate body. (b) Lectures, demonstrations, and laboratory study of human and other mammalian embryos. *Three hours a week, fall quarter; six hours a week, spring quarter.* Professor George; Mr. Culbertson. See catalogue of the Graduate School.

123. CYTOLOGY AND HISTOGENESIS.

Those who have completed course 112 or its equivalent will be offered an opportunity to pursue further work in Cytology and Histogenesis. Arrangements for this course may be made with the instructor. Professor George; Mr. Culbertson.

236. SURGICAL ANATOMY.

A review of anatomy in its relation to surgical diagnosis and technique. The surface markings of the organs of the body, their location and inter-relationship. Incisions for reaching arteries and nerves. Influence of the action of muscles upon fractures and luxations. The application of bandages and splints, and the dressing of wounds. Lectures, X-ray plates, and practical demonstrations upon the cadaver. *Four hours a week, winter quarter.* Associate Professor Lawson.

DEPARTMENT OF BACTERIOLOGY

51. ELEMENTARY BACTERIOLOGY. Prerequisite, General Chemistry and one course in Botany or Zoölogy. *Elective.

A lecture and laboratory course offered as a general science course. The fundamental principles of bacteriology are emphasized, and the student is trained in general bacteriological technique. The morphological and biological characteristics of the molds, yeasts, and saprophytic bacteria are studied. Pure cultures are isolated from air and water, and identification attempted. The applications of bacteriology to agriculture, industry, and the home are considered. (Registration of a minimum of six students required.) *Nine hours a week (lectures and laboratory), winter quarter. Laboratory fee, \$4.00.* Professor MacPherson.

132. PATHOGENIC BACTERIOLOGY. Required of medical students. Prerequisite, for academic students, General Chemistry, Chemistry 31, and Bacteriology 51, or equivalent.

The early weeks of the course are devoted to a thorough grounding in the fundamental principles of bacteriology. Each student prepares the various

* Before registering for this course the academic student must secure the permission of his Dean.

culture media in common use; cultivates and describes several non-pathogens from stock cultures; and practises the more useful staining methods. Pure cultures are isolated from air and water and their biology studied. The major portion of the course is devoted to the detailed study of the pathogens. Unknown mixtures are used to test the student's ability to differentiate organisms of the various groups. Practical applications of bacteriology in the diagnosis of disease are stressed by the examinations of sputa, pus, feces, and blood. Animal inoculations are made to demonstrate the process of infection and the differentiation of certain organisms. Lectures cover all the more important diseases. *Fifteen hours a week (lectures and laboratory), spring quarter. Laboratory fee, for non-medical students, \$6.00.* Professor MacPherson. See catalogue of the Graduate School.

233. INFECTION, IMMUNITY, AND SERUM DIAGNOSIS. Required of medical students. Prerequisite, Bacteriology 132 or its equivalent. *Elective.

The early laboratory work is designed to demonstrate the basic principles of immunology and serology. Practical training is given in the production and use of agglutinins, precipitins, lysins, and complement fixing antibodies. Vaccines are prepared, and their use demonstrated. The preparation and standardization of antimicrobial and antitoxic sera are studied. Anaphylaxis and allergy are produced in animals, and methods of diagnosis and desensitization practised. The student is required to prepare his own materials and to inject and bleed animals himself. Special attention is given to the use of these principles in the diagnosis of blood stains, blood grouping, typhoid fever, typhus fever, diphtheria, tuberculosis, hay fever, gonorrhea, and syphilis. Unknown specimens test the student's ability to use the reactions. Lectures consider the principles of infection, immunity, and resistance. *Nine hours a week (lectures and laboratory), fall quarter. Laboratory fee for non-medical students, \$10.00.* Professor MacPherson. See catalogue of the Graduate School.

234. PUBLIC HEALTH AND HYGIENE. Prerequisite, Bacteriology 132. *Elective.

Lectures and quizzes on the sources, mode of spread, and control of communicable diseases; ventilation; water and sewage purification; soil pollution; hygiene of foods; carriers; and insect vectors. *Three hours a week, winter quarter.* Professor MacPherson.

235. PUBLIC HEALTH LABORATORY METHODS. Prerequisite, Bacteriology 132 or its equivalent. *Elective.

A course of training in the modern bacteriological methods employed in the routine work of a public health laboratory. Practice is afforded in the laboratory diagnosis of diphtheria, tuberculosis, typhoid fever, pneumonia, malaria, gonorrhea, syphilis, and rabies. The bacteriological examination of water, milk, and canned goods is also practised. The course is designed for medical students and those wishing to qualify as bacteriological laboratory technicians. *Six hours a week, spring quarter. Laboratory fee for non-medical students, \$6.00.* Professor MacPherson.

236. ADVANCED BACTERIOLOGY AND RESEARCH. Prerequisite, Bacteriology 132 or its equivalent. *Elective.

Opportunity and facilities are offered to qualified students to pursue advanced work in bacteriology and immunology. *Hours arranged.* Professor MacPherson.

* Before registering for this course the academic student must secure the permission of his Dean.

DEPARTMENT OF PATHOLOGY

201. PATHOLOGY.

Embraces a consideration of general and special pathology from the chemical and physiological as well as the morphological aspects. Lectures and recitations are combined with laboratory work in a study of both gross and microscopical preparations. Each student is supplied with a set of "loan" sections (about 200) which form the basis of the study. This is supplemented by the use of a considerable number of special demonstration sections. A series of practical examinations is held, in which each student is required to diagnose the process and describe the salient features in about fifty "unknown" sections. A series of several hundred preserved pathological specimens, selected to illustrate many of the common and some of the uncommon pathological processes, is arranged on open shelves in the laboratory. These are studied in conjunction with the microscopical work. The class is divided into small sections which rotate in attending the autopsies at Watts Hospital. Each student is required to write his own protocol of each autopsy which he observes. *Six hours a week, fall quarter; eight hours a week, winter quarter; twelve hours a week, spring quarter.* Professor Bullitt; Doctor Byrnes. See catalogue of the Graduate School.

212. CLINICAL PATHOLOGY.

The object of this course is to familiarize the student with routine examinations of the blood, urine, feces, gastro-intestinal contents, sputum, transudates, and exudates; to acquire accuracy in such procedures and to secure a general understanding of their relation to the diagnosis of disease. Material to be examined consists of preserved specimens and fresh specimens from Watts Hospital (Durham). Opportunity is also afforded for the study of patients with special reference to the laboratory examinations indicated and for the correlation of the findings. *Six hours a week, spring quarter.* Doctor Byrnes.

223. ADVANCED PATHOLOGY. Two courses are offered.

(a) Surgical Pathology (prerequisite, Pathology 201); a detailed study of surgical material, with special reference to tumors. (b) Experimental Pathology; production of various inflammatory lesions and study of their development. *Hours by arrangement.* Professor Bullitt.

DEPARTMENT OF PHARMACOLOGY

111. MATERIA MEDICA AND CHEMICAL PHARMACOLOGY.

The course is an integral part of the course in Pharmacology for second year medical students and is a prerequisite to it.

This introductory lecture and demonstration course has several purposes. It is intended (1) to familiarize students with the physical character, appearance, and general behavior not only of the official drugs but of the most important drugs listed in the book published by the American Medical Association under the title of *New and Non-official Remedies*; (2) to demonstrate the manner in which these drugs are combined in medicinal formulas; and (3) to explain how they should be ordered by means of properly written prescription. Attention is paid the mechanics of prescription writing while the systems of weights and measures as used in medicine are reviewed. Every effort is made to integrate this preparatory course with Pharmacology 222 in order that it may serve as a desirable foundation treatment of drugs. *Three hours a week, fall quarter.* Professor Beard.

222. PHARMACOLOGY.

The course in Pharmacology extends throughout the second year of the medical curriculum. The character of the work permits a division of the course into three parts: (a) A consideration of the ways in which drugs may affect the organism. This introduction embraces a discussion of the various physico-

chemical forces influencing drug activity, and the modification of the action of these conditions in different pathological states of the organism, such, for instance, as febrile conditions and various metabolic disturbances. (b) A general study of the pharmacology of the important drugs. The drugs are considered in groups depending upon their predominant effect in the body. The student learns the preparation, their dose, physiological incompatibilities, and considers in detail the way in which the drugs act as pharmacological agents. The symptoms and treatment of poisoning are considered following the discussion of the pharmacology of the group. (c) A consideration of the pharmacology of the drugs in the pathological animal, with a discussion of the modification of drug activity in various pathological states. In conjunction with this study emphasis is given to the use of drugs as therapeutic agents and a study is made employing such remedies as are indicated in the form of a prescription. Students are required to write prescriptions, which are then subjected to the criticism of various members of the class and the instructor. *Three hours a week, fall quarter; five hours a week, winter and spring quarters.* Professors MacNider, Donnelly. See catalogue of the Graduate School.

223. PHARMACODYNAMICS.

This part of the general course in pharmacology consists in a careful and accurate study of the action of practically all of the more important drugs on animals. For this work, the higher animals, such as the cat and dog, are chiefly used. The class is divided into groups of two or four, and the experimental work is conducted by the student. Each student is required to hand in to the instructor at the completion of the course a laboratory notebook containing a detailed account of each experiment, and explanation of the results obtained, and the tracings made during the experiment. Oral and written recitations are frequently held. *Five laboratory hours a week, winter and spring quarters.* Professors MacNider, Donnelly; Mr. Summerville. See catalogue of the Graduate School.

234. ADVANCED PHARMACOLOGY.

Two types of courses will be offered: (a) an experimental study of the action of various drugs upon the normal animal; (b) an experimental study of the action of various drugs and other agencies upon the pathological animal. *Hours by arrangement.* Professor MacNider.

DEPARTMENT OF PHYSIOLOGY AND BIOLOGICAL CHEMISTRY

201-202. PHYSIOLOGY.

A lecture course for two quarters, in which the functions of the systems of organs are explained and discussed as fully as time permits. The subjects include the digestion, the circulation, respiration, elimination, metabolism, the internal secretions, heat regulation, the nervous system, and the special senses. Attention is called to pathological conditions which are commonly associated with disturbed functions and which emphasize the importance of normal function. *Six hours a week, fall and winter quarters.* Professor Manning. See catalogue of the Graduate School.

203-204. EXPERIMENTAL PHYSIOLOGY.

A laboratory course during the fall and winter quarters of the second year. Special experiments performed in small sections are carried on in the winter quarter. In this course the student learns the use of physiological apparatus; studies the neuro-muscular system and heart on the frog and turtle; the vascular and respiratory systems on the rabbit and dog; and performs a limited number of experiments on the human, making pulse records, taking blood pressure, determining basal metabolic rates, etc. *Six laboratory hours a week, fall and winter quarters.* Professor Manning. See catalogue of the Graduate School.

104. BIOLOGICAL CHEMISTRY 1.

A lecture and laboratory course in elementary biological chemistry covering the following topics: (1) the physical chemistry of protoplasm, (2) the chemistry of the carbohydrates, fats, and proteins, (3) the chemical composition of foods and body tissues, (4) the scientific principles of nutrition. The laboratory work covers the same general outline as the class-room work. *Three lecture and six laboratory hours a week, winter quarter, first year.* Associate Professor McChesney. See catalogue of the Graduate School.

205. BIOLOGICAL CHEMISTRY 2.

Chiefly a laboratory course in digestion and analytical methods. The following topics are covered in laboratory: (1) digestion (salivary, gastric, intestinal), (2) pathological urine, (3) quantitative urine analysis, (4) blood analysis (qualitative and quantitative). Occasional lectures are given on the subjects of digestion and nitrogen metabolism with particular reference to the relation of the latter to the composition of blood and urine. *Six hours a week (lectures and laboratory), fall quarter, second year.* Associate Professor McChesney. See catalogue of the Graduate School.

206. BIOLOGICAL CHEMISTRY 3.

An advanced course for graduate students covering aspects of biological chemistry not treated in courses 1 or 2. For details see Catalogue of the Graduate School. *Nine hours a week (lectures and laboratory), spring quarter.* Associate Professor McChesney. See catalogue of the Graduate School.

ADDITIONAL COURSES

The charity wards and out-patient department of Watts Hospital (220 beds) are available to the medical school for teaching purposes. These facilities provide clinical material for the courses in Physical Diagnosis and Clinical Pathology, and afford opportunity for attendance upon autopsies and the study of fresh pathological specimens.

231. PHYSICAL DIAGNOSIS.

A course in the method of history taking and physical examination with lectures, demonstrations, and practical exercises.

At the beginning emphasis is placed on the physical signs in the normal subject. The class is divided into groups for practical exercises on and demonstrations of the clinical material in the University Infirmary, in the wards and out-patient department of Watts Hospital (Durham), and in the State Tubercular Sanitorium. Each student has twenty practical exercises of three hours each. *Seven hours a week, spring quarter.* Associate Professor Berryhill and assistants from Medical Staff of Watts Hospital.

232. INTRODUCTION TO OBSTETRICS.

A course of ten lectures which is essentially an introduction to obstetrical and gynecological problems. It deals with human embryology, the foetus and its development, subjective and objective signs and symptoms of pregnancy, management of labor (briefly), the mechanism of labor, general symptomatology and diagnosis, menstruation, infection, and tumors. *One hour a week, winter quarter.* Doctor Ross.

THE SCHOOL OF PHARMACY

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*

ROBERT BURTON HOUSE, A.M., *Dean of Administration.*

JOHN GROVER BEARD, Ph.G., Ph.M., *Dean.*

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HENRY ROLAND TOTTEN, Ph.D.	RALPH WALTON BOST, Ph.D.

The Special Staff of Instruction consists of those named above with the addition of other instructors in the Departments of English, French, German, Mathematics, Chemistry, Botany, Bacteriology, Pathology, and Economics and Commerce.

HISTORICAL SKETCH AND DESCRIPTION OF COURSES

In 1880 Dr. Thomas W. Harris was instrumental in establishing a Pharmacy School at the University in connection with the School of Medicine. Doctor Harris was Professor of Anatomy, Materia Medica, and Pharmacy. The course in pharmacy extended over two sessions of five months each, and led to the degree of Graduate in Pharmacy (Ph.G.). The school was continued until the resignation of Doctor Harris in 1886, when it was abandoned completely. In the fall of 1889 the school was revived by Dr. Richard H. Whitehead, but again its career was cut short.

In March of 1897 the present School of Pharmacy was established, and Edward Vernon Howell was elected Professor of Pharmacy, and given charge of the school. At that time the school occupied the ground floor of the New West Building. The first lectures were offered in September of 1897. The course of study extended over two sessions of nine months each and led to the degree of Graduate in Pharmacy (Ph.G.). In the summer of 1912 the school was moved to Person Hall.

In 1917 the school was admitted to membership in the American Association of Colleges of Pharmacy, an organization founded for the promotion of pharmaceutical education. Member-colleges must maintain certain entrance and graduation requirements and must in other ways follow out general practices as determined by the Association.

In order to comply with the Association's requirements the course of study leading to the degree of Graduate in Pharmacy was advanced

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

in 1925 from two to three years. A four-year course, administered by the School of Applied Science, was added leading to the degree of Bachelor of Science in Pharmacy (S.B. in Phar.). In September, 1932, both this and the three-year course were discontinued and in their stead was placed a baccalaureate course, administered by the School of Pharmacy, leading also to the degree of S.B. in Pharmacy.

In the fall of 1925 the School of Pharmacy moved into the building formerly occupied by the Department of Chemistry. The building is now known as the Howell Hall of Pharmacy. The school has gradually developed with respect to members of the faculty, equipment, and apparatus. The pharmaceutical library has been made valuable by many historical and modern books on pharmacy and its allied branches and by bound volumes of proceedings and journals, either given by friends or purchased by the University.

The School of Pharmacy recognizes that its graduates may be expected to pursue one or another of three related but definitely different forms of pharmaceutical practice. (1) They may become prescriptionists in or owners of retail drug stores; (2) they may elect to enter the field of medicinal manufacture; or (3) they may decide to establish technical laboratories or enter the U. S. Public Health Service. These different forms of effort require a specialized type of training and the School has attempted to provide such specialization. Certain subject matter, however, is basically necessary regardless of what type of pharmaceutical career is to be followed and the School has accordingly set up a common course for its freshmen and sophomores. At the beginning of the junior year specialization begins through the election by the student of his preferred group of studies. The "A" group of courses is designed for students who expect to become practising retail pharmacists; the "B" group for students who will become manufacturing pharmaceutical chemists; and the "C" group for students who desire training as clinical technicians or who expect to apply for commissions in the U. S. Public Health Service.

By action of the Administrative Board of the School of Pharmacy the Dean of the School is authorized to allow substitutions of certain academic subjects for certain prescribed pharmaceutical courses in the cases of rising juniors who in his opinion have displayed by scholarship and general merit such a type of mind and character as to warrant their acceptance into a standard medical school.

REQUIREMENTS FOR ADMISSION

See page 46.

NOTE. Special course. A few students, who are more than twenty-one years of age and who in the judgment of the Dean are qualified to carry work of college grade, may be admitted for a one year special course of study without the regular requirements for admission. This course is intended to qualify students for license as assistant pharmacists.

EXPENSES

See pages 47-51.

ATTENDANCE AND PROMOTION

Regular attendance upon all classes is required of every student of pharmacy. In any quarter, absences are counted from the first regular meeting of each class. For other regulations concerning attendance see pages 65-67, as the same regulations are in force for students in pharmacy as for undergraduate students.

Curricula Leading to the Degree of Bachelor of Science in Pharmacy

In order to be recommended for the degree of Bachelor of Science in Pharmacy the student must have completed one of the four year courses of study outlined below. A student who has completed one or more years of accredited work in a recognized school of Pharmacy and submits satisfactory evidence of having completed the entrance requirements and courses equivalent to those prescribed in the curriculum required for the degree of S.B. in Pharmacy, may be admitted with advanced standing and proceed for this degree. For minimum requirement of residence see page 42.

A student must obtain satisfactory marking in attendance, making a grade of D or better in each course.

Students of pharmacy, in order to be eligible to continue in the University, must qualify according to the following requirements: A freshman must pass at least one subject in the fall quarter, in the first two quarters at least ten quarter hours, and by the end of the spring quarter at least twenty-five quarter hours. The regulations governing the removal of deficiencies by correspondence or Summer Session work as well as requirements exacted of students other than freshmen will be found on page 70 of this catalogue.

In addition to this regulation the following rule applies to students in pharmacy: No student may be admitted to the junior year if any freshman subject has not been completed.

Curricula Leading to the Degree of S.B. in Pharmacy**Freshman Year**

Fall Quarter: Chemistry 4, English 1, Mathematics 1, Pharmacy 11.

Winter Quarter: Chemistry 5, English 2, Mathematics 2, Pharmacy 10, Pharmacy 12.

Spring Quarter: Chemistry 31, English 3, Mathematics 3, Pharmacy 13.

Sophomore Year

Fall Quarter: Botany 41, *Elective, Pharmacy 21.

Winter Quarter: Botany 42, Pharmacy 22, Zoölogy 41.

Spring Quarter: Chemistry 42, Materia Medica 51, Pharmacy 23, Physiology 23.

* NOTE: This elective must be approved by the Dean.

CURRICULUM A

Junior Year

Fall Quarter: †Economics 31, Materia Medica 52, Pharmacology 55.

Winter Quarter: †Economics 32, Materia Medica 53, Pharmaceutical Chemistry 62, Pharmaceutical Chemistry 64.

Spring Quarter: Commerce 71P, English 51P, Pharmaceutical Chemistry 63.

Senior Year

Fall Quarter: First Aid—Materia Medica 56, Pharmaceutical Chemistry 70, Pharmaceutical Chemistry 71, Pharmacy 90, Pharmacy 91.

Winter Quarter: Commerce 61 or 165, Pharmacy 92, Pharmacy 96, Elective.

Spring Quarter: Pharmacy 83, Pharmacy 93, Pharmacy 97, Pharmacy 99.

CURRICULUM B

Junior Year

Fall Quarter: Materia Medica 52, Pharmacology 55, Physics 21.

Winter Quarter: Materia Medica 53, Pharmaceutical Chemistry 62, Pharmaceutical Chemistry 64, Physics 22.

Spring Quarter: Chemistry 71, English 51P, Pharmaceutical Chemistry 63, Physics 23.

Senior Year

Fall Quarter: Chemistry 163, Pharmaceutical Chemistry 71, Pharmacy 91.

Winter Quarter: Botany 52, Pharmaceutical Chemistry 172, Pharmacy 92, Elective.

Spring Quarter: Pharmaceutical Chemistry 173, Pharmacy 83, Elective.

CURRICULUM C

Junior Year

Fall Quarter: †Economics 31, Materia Medica 52, Pharmacology 55.

Winter Quarter: Botany 52, †Economics 32, Materia Medica 53, Pharmaceutical Chemistry 62.

Spring Quarter: Bacteriology 132, English 51P, Pharmaceutical Chemistry 63.

Senior Year

Fall Quarter: Pharmaceutical Chemistry 71, Pharmacy 91, Elective.

† These courses in Economics meet five hours a week.

Winter Quarter: Pharmaceutical Chemistry 64, Pharmacy 92, Elective.

Spring Quarter: Pathology 212, Pharmacy 83, Pharmacy 93, Elective.

Graduate Work in Pharmacy

The degree of Master of Science in Pharmacy will be conferred on students who have satisfactorily completed approved graduate work extending over not less than one year. This course is administered by the Graduate School and information concerning it may be obtained by addressing the Dean of the Graduate School.

*COURSES OF INSTRUCTION

Materia Medica and Pharmacology

1. MATERIA MEDICA AND CHEMICAL PHARMACOLOGY. (3).

For a description of this course see School of Medicine, Pharmacology 111.

23. PHYSIOLOGY. (3).

A study of the functions of the normal human body and a consideration of how these functions are modified by the action of drugs. Laboratory experiments are conducted by the instructor to demonstrate the more important physiological reactions of the lower animals, frogs, turtles, and cats. *Three hours a week, spring quarter.* Professors MacNider, Donnelly.

51-52. MATERIA MEDICA. (10). Prerequisite, Botany 41-42.

The individual drugs of the United States Pharmacopoeia and the National Formulary are considered from the standpoint of their origin, history, appearance, structure, active principles, chief medicinal properties, official preparations, and doses. These drugs are grouped and studied according to the families to which they belong. Later they are classified into therapeutic groups, based on their action. Textbooks and references to be assigned. Lectures and recitations. *Five hours a week, spring and fall quarters.* Professor Beard.

53. MATERIA MEDICA. (3). Prerequisite, Materia Medica 51-52.

This course is to be considered as a continuation of Materia Medica 51-52. In addition to a more comprehensive study of vegetable and chemical drugs, consideration is given to the animal and biological products which are used in therapeutics. Lectures and recitations. Textbook: Gershenfeld's *Bacteriology and Sanitary Science*. *Three hours a week, winter quarter.* Professor Beard.

55. PHARMACOLOGY. (5). Prerequisite, Materia Medica 51, Physiology 23; corequisite, Materia Medica 52.

This course is concerned with the physiological and therapeutic action of drugs both upon man and upon lower animals. Prior to this work the student has completed Materia Medica 51 which is concerned with the study of the physical and chemical properties of drugs, their preparations, dosage, and a brief statement of their effect. This course in Pharmacology is intended to amplify and give in a more detailed fashion an understanding of the way in which the drug acts in normal and in toxic quantities. A consideration of the biological standardization of drugs is also a part of this course. Textbook: Bastedo's *Materia Medica, Pharmacology, and Therapeutics*. *Three lecture and four laboratory hours a week, fall quarter. Laboratory fee, \$5.00.* Professors MacNider, Donnelly.

* The numbers in parenthesis following the descriptive titles indicate the credit values of the courses counted in quarter hours.

56. FIRST AID. (2).

This course in First Aid, intended for pharmacy students, will consist of temporary bandaging, methods for the control of hemorrhages, arterial and venous; the functions and use of caustics, styptics, compresses, and plasters; emergency use of hypodermics; procedure in cases of exhaustion, fainting, drowning, chills, exposure, poisoning, burns, and puncture wounds; pulse rate and temperature in all degrees of shock in considering a hurry call for a physician. Lectures and laboratory. *Two hours a week, fall quarter.* Professor Lawson.

391-392-393. RESEARCH IN MATERIA MEDICA AND PHARMACOGNOSY. (15).

These advanced courses consist of laboratory work, conferences with the major professor, and library investigations relating to research. The professor in charge is responsible for the assignment and approval of the subject and character of the thesis. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$10.00 a quarter.* Professors Beard, Totten.

Pharmaceutical Chemistry**62-63. ORGANIC PHARMACEUTICAL CHEMISTRY. (12). Prerequisite, Chemistry 31.**

A consideration of the aliphatic and aromatic series. Stress is placed on the compounds of pharmaceutical importance. *Three lecture and six laboratory hours a week, winter and spring quarters. Laboratory fee, \$10.00 a quarter.* Professor Jacobs; Assistant.

64. INORGANIC PHARMACEUTICAL CHEMISTRY. (5) Prerequisite, Chemistry 31.

A laboratory and lecture course designed to acquaint the student with the identification tests and general assays of the *United State Pharmacopoeia and National Formulary*. Textbook: Jenkins and DuMez' *Quantitative Pharmaceutical Chemistry*. *Two lecture and six laboratory hours a week, winter quarter. Laboratory fee, \$5.00.* Professor Jacobs; Assistant.

70. BLOOD AND URINE ANALYSIS. (3). Prerequisite, Chemistry 42.

This course is designed to acquaint the student with the qualitative and quantitative analysis of blood and urine. Reference: Hawk and Bergeim's *Physiological Chemistry*. *One lecture and four laboratory hours a week, spring quarter. Laboratory fee, \$5.00.* Professor Jacobs; Assistant.

71. ORGANIC PHARMACEUTICAL CHEMISTRY. (6). Prerequisite, Pharmaceutical Chemistry 62-63.

A study of the more important medicinal plant products and synthetic drugs. The laboratory work will consist of the isolation, purification, and identification of plant constituents and the synthesis of simple organic medicinal compounds. *Three lecture and six laboratory hours a week, fall quarter. Laboratory fee, \$10.00.* Professor Jacobs; Assistant.

141. ADVANCED ORGANIC PHARMACEUTICAL CHEMISTRY. (6). Prerequisite, Pharmaceutical Chemistry 62-63 or equivalent.

A study of the more complex organic compounds used in medicine, emphasizing the structure, chemical relationship, and synthesis of these compounds. *Three lecture and six laboratory hours a week, fall quarter. Laboratory fee, \$10.00.* Professor Jacobs.

172. PHARMACEUTICAL ANALYSIS. (5). Prerequisite, Pharmaceutical Chemistry 64.

A laboratory course supplemented by lectures emphasizing the more advanced and special assay methods of the *United States Pharmacopoeia* and

National Formulary. Two lecture and six laboratory hours a week, winter quarter. Laboratory fee, \$10.00. Professor Jacobs; Assistant.

173. FOOD AND DRUG ANALYSIS. (5). Prerequisite, Pharmaceutical Chemistry 172.

A laboratory and lecture course dealing with the methods employed by government laboratories to control food and drug products. *Two lecture and six laboratory hours a week, spring quarter. Laboratory fee, \$10.00. Professor Jacobs; Assistant.*

242-243. ADVANCED ORGANIC PHARMACEUTICAL CHEMISTRY. (10). Prerequisite, Pharmaceutical Chemistry 141 or equivalent.

A study of the complex synthetic organic medicinal products. Their structure, synthesis, and properties are considered. *One lecture and eight laboratory hours a week, winter and spring quarters. Laboratory fee, \$10.00 a quarter. Professor Jacobs.*

245. ADVANCED TOXICOLOGY. (5). Prerequisite, Pharmaceutical Chemistry 62-63 or equivalent.

The medico-legal aspects of toxicology are considered with particular emphasis on the identification of poisons in cadaverous material. *Two lecture and six laboratory hours a week, fall quarter. Laboratory fee, \$10.00. Professor Jacobs.*

391-392-393. RESEARCH IN PHARMACEUTICAL CHEMISTRY. (15).

Statements regarding Materia Medica 391-392-393 apply to this course. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$10.00 a quarter. Professor Jacobs.*

Pharmacy

10. PHARMACEUTICAL MATHEMATICS. (3).

It is the purpose of this course so to relate arithmetic and mathematics to pharmacy as to make certain that students can solve correctly the scientific problems met with in dispensing as well as the merchandising calculations that arise in drug store practice. Textbook: Sturmer's *Pharmaceutical Arithmetic*. *Three hours a week, fall quarter. Professor Beard.*

11. PHARMACEUTICAL TECHNIQUE. (5).

Lectures deal with the theory and practice of pharmacy. The laboratory acquaints the student with the fundamental manipulations involved. Textbooks: *United States Pharmacopoeia; National Formulary*. *Three lecture and four laboratory hours a week, fall quarter. Laboratory fee, \$5.00. Professor Burlage; Assistants.*

12. PHARMACEUTICAL LATIN. (2).

A certain modicum of Latin is absolutely essential to the understanding of pharmaceutical terminology and to the proper handling of prescriptions. It is the purpose of this course to provide exactly that modicum. Textbook: Howe and Beard's *Latin for Pharmacists*. *Two hours a week, winter quarter. Professor Beard.*

13. PHARMACEUTICAL TECHNIQUE AND PREPARATIONS. (3).

A continuation of Pharmacy 11 dealing with the more advanced theories and manipulations of pharmacy. Simple preparations are studied and prepared. Textbooks: *United States Pharmacopoeia; National Formulary*. *Two lecture and two laboratory hours a week; spring quarter. Laboratory fee, \$5.00. Professor Burlage; Assistants.*

21. GALENICAL PHARMACY. (5). Prerequisite, Pharmacy 10, 11, 12.

The official galenicals are studied in the lectures. The laboratory work consists of the preparation of the more important types of official preparations. Textbooks: *United States Pharmacopoeia; National Formulary. Three lecture and four laboratory hours a week, fall quarter. Laboratory fee, \$10.00.* Professor Burlage; Assistants.

22. INORGANIC PHARMACY. (5). Prerequisite, Chemistry 31.

The official inorganic compounds are studied. The laboratory work deals with the more important compounds and preparations involving chemical reactions. Textbooks: *United States Pharmacopoeia; National Formulary; New and Non-Official Remedies. Three lecture and four laboratory hours a week, winter quarter. Laboratory fee, \$5.00.* Professor Burlage; Assistants.

23. ADVANCED GALENICAL PHARMACY. (3). Prerequisite, Pharmacy 21.

A continuation of Pharmacy 21, 22, with emphasis on the more difficult official preparations, especially those made by maceration and extraction. Textbooks: *United States Pharmacopoeia; National Formulary. Two lecture and two laboratory hours a week, spring quarter. Laboratory fee, \$5.00.* Professor Burlage; Assistants.

83. ORGANIC PHARMACY AND NEW AND NON-OFFICIAL REMEDIES. (5). Prerequisite, Pharmaceutical Chemistry 71.

A course designed to familiarize the student with the official organic compounds and the more important organic compounds and their preparations recognized in *New and Non-official Remedies*. Textbooks: *United States Pharmacopoeia; National Formulary; New and Non-official Remedies. Five hours a week, spring quarter.* Professor Burlage.

90. PARASITICIDES. (3).

A course intended to supply information concerning the uses and methods of application of plant materials and chemicals used as insecticides, fungicides, parasiticides, and rodenticides. *Three hours a week, fall quarter.* Professor Rose.

91-92. DISPENSING. (10). Prerequisite, Pharmacy 23.

A study of the compounding and dispensing of prescriptions, including incompatibilities. Practice is required in preparing capsules, pills, powders, ointments, etc., until work is satisfactory. *Two lecture and six laboratory hours a week, fall and winter quarters. Laboratory fee, \$7.50 a quarter.* Professor Rose.

93. DISPENSING. (3). Prerequisite, Pharmacy 91-92.

Continuation of Pharmacy 91-92. *One lecture and four laboratory hours a week, spring quarter. Laboratory fee, \$5.00.* Professor Rose.

94. MANUFACTURING PHARMACY. (5). Prerequisite, Pharmacy 23.

The study and manufacture of pharmaceuticals, dentifrices, etc., with emphasis on the manipulation of machinery and apparatus used in the production of the same on a semi-commercial scale. *Two lecture and six laboratory hours a week, spring quarter. Laboratory fee, \$10.00.* Professor Burlage.

95. HISTORY OF PHARMACY. (3).

A course designed to develop the historical background of pharmacy. Reports will be required that necessitate the use of the library and the preparation of bibliographies on the important figures and historical developments in the profession. *Three hours a week, winter quarter.* Professor Burlage.

96-97. COMMERCIAL PHARMACY. (6).

A practical consideration of retail store management and its problems. Executive control, organization, lay-out, merchandising, store policy, personnel, and other phases, including pharmaceutical jurisprudence, are dwelt upon. *Three hours a week, winter and spring quarters.* Professor Rose.

99. THEORETICAL PHARMACY. (5).

A course for seniors that is intended to bring together salient subject matter from materia medica, pharmaceutical chemistry, and pharmacy in order that highly important drugs may be studied from every angle. *Lectures and recitations, five hours a week, spring quarter.* Professor Beard.

141. ADVANCED DISPENSING. (5). Prerequisite, Pharmacy 91-92, 93.

Investigating problems connected with the compounding and dispensing of prescriptions. *One lecture and eight laboratory hours, any quarter. Laboratory fee, \$10.00.* Professor Burlage.

144-145-146. ADVANCED MANUFACTURING PHARMACY. (15). Prerequisite, Pharmacy 83 and Pharmaceutical Chemistry 71.

A continuation of Pharmacy 83 emphasizing the manufacture and production of volatile oils and aromatic synthetics and their uses in perfumes, flavoring extracts, essences, toilet preparations, and cosmetics. *Two lecture and six laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$10.00 a quarter.* Professor Burlage.

162. MEDICINAL PLANT PRODUCTS AND THEIR PREPARATIONS. (5). Prerequisite, Pharmaceutical Chemistry 71 or equivalent.

Advanced studies of medicinal plant products emphasizing their constitution, formation, isolation, identification, preparations, and uses in medicines and other items relating to pharmacy. *Two lecture and six laboratory hours a week, winter quarter. Laboratory fee, \$10.00.* Professor Burlage.

191-192-193. (9). STUDIES OF U. S. P. AND N. F. PREPARATIONS AND THEIR ASSAYS.

Special studies of these preparations with the aim of improving and assaying the same. *One lecture and four laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$5.00 a quarter.* Members of the Staff.

261-262-263. ADVANCED MEDICINAL PLANT PRODUCTS AND THEIR PREPARATIONS. (15). Prerequisite, Pharmacy 162 or equivalent.

A continuation of Pharmacy 162 with special emphasis on and problems dealing with the more complex medicinal plant products, with readings and discussions of the recent advances in this line of work. *Two lecture and six laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$10.00 a quarter.* Professor Burlage.

351-352-353. SEMINAR. (3).

Required of all graduate students. Reports and discussions relating to recent advances in all branches of pharmacy and related sciences. *One hour a week, fall, winter, and spring quarters.* Members of the Staff.

391-392-393. RESEARCH IN PHARMACY. (15).

Statements regarding Materia Medica 391-392-393 apply to this course. *One lecture and nine laboratory hours a week, fall, winter, and spring quarters. Laboratory fee, \$10.00 a quarter.* Professor Burlage.

THE SCHOOL OF LIBRARY SCIENCE

FRANK PORTER GRAHAM, M.A., LL.D., D.C.L., D.Litt., *President.*

ROBERT BURTON HOUSE, A.M., *Dean of Administration.*

SUSAN GREY AKERS, Ph.D., *Acting-Director.*

*THE ADMINISTRATIVE BOARD

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LUCILE KELLING, B.A., B.L.S., *Assistant Professor of Library Science.*

GENERAL STATEMENT

The School of Library Science opened in September, 1931, as a unit of the University of North Carolina. Made possible by a grant from the Carnegie Corporation, it is the culmination of a series of library science courses offered in the summer and regular terms since 1904. The school is accredited by the American Library Association.

The curricula of the school offer a basic course preparing the student for general library work. Three curricula are offered, permitting the student to specialize in preparation for work in one of three fields: elementary and high school libraries, city and county public libraries, or college and university libraries.

Quarters for the school, comprising laboratory and classrooms for the students and offices for the faculty, are on the third floor of the University library, whose new building was occupied July, 1929. For a description of the University library facilities see pages 34-35.

The town school system maintains a school library and public children's library available for observation. Within driving distance of from thirty minutes to two hours are the city library system of Durham, the libraries of Duke University and its Woman's College, the State Library and the Library Commission headquarters at Raleigh, the public library and the libraries of the Woman's College of the University of North Carolina at Greensboro.

* The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

† Absent on leave, 1934-1935.

REQUIREMENTS AND RECOMMENDATIONS FOR ADMISSION

The principal requirement for admission is a bachelor's degree from an accredited college or university, with the exception that students of any accredited college or university who can qualify as seniors in this institution will be admitted to the curriculum for public librarians or school librarians.

A reading knowledge of French and German is essential to satisfactory work in college and university libraries and very desirable in other types of libraries. It is strongly urged, therefore, that applicants acquire such a reading knowledge before admission to the school.

Students must have reasonable ability in typewriting for admission. A test will be given early in the fall quarter.

Those over thirty-five years of age are advised not to apply for admission to the school unless they have been continuously engaged in library work or some similar pursuit.

Because of the special nature of many phases of library work, it is recommended that before beginning the course, applicants familiarize themselves with library routine and terms, either through practice in a nearby library or by reading.

Applicants must show evidence of ability to do library work and must have had a well-balanced selection of courses leading to the required bachelor's degree.

It is recommended that applicants interview a member of the faculty of the school before admission.

Amount of equipment and size of faculty necessarily limit the enrollment. The class will be chosen on a basis of individual promise of success and previous high scholarship standing.

RECOMMENDED COURSES PREPARATORY TO LIBRARY WORK

It is recommended that intending students include in their curriculum toward a bachelor's degree the following minimum work: French and German to the extent of at least one year's work of college grade; survey courses in English and American literature; a well-rounded choice of courses in history, including general European history as well as English and American; a laboratory science, preferably biology; and general introductory courses in economics, political science, sociology, and psychology. Latin and Greek are useful, especially to those intending to be catalogers.

Those students who plan to do school library work should take as undergraduates such courses in education as will meet the minimum requirements of the Southern Association and of the state departments of education for teachers' certificates.

Students who plan to enter the school for the fourth year of their undergraduate work are urged to write to the Acting-Director of the school as early as possible regarding their proposed program of study so that it may be planned with reference to the requirements for

admission to the senior class of this institution and to the School of Library Science. These requirements may be stated in general as follows: two years of college work in one foreign language, preferably French or German or Latin; one year of college mathematics (the applicant may take instead a year of college Latin or Greek above the elementary courses if French or German has been chosen as the regular foreign language); freshman and sophomore English; freshman social science; two years in laboratory science, at least one being in biology; sophomore social science for a year, three hours a week; and courses in English or history and social sciences necessary to qualify as a teacher in one of those subjects or sufficient to serve as a minor.

TIME OF ENTRANCE

Applicants should plan their entrance into the school at the beginning of the fall or summer quarter. Many courses have prerequisites which cannot be taken unless the curriculum is begun at this time. In special cases, however, at the discretion of the Director, students may be admitted at the beginning of either of the other quarters, provided the maximum enrollment has not been reached.

ELECTIVES FOR STUDENTS IN OTHER SCHOOLS

Certain courses are open to seniors in the School of Commerce and the College of Liberal Arts. They are listed under Department of Library Science in Part Three of this catalogue.

DEGREES

On the completion of a curriculum in the School of Library Science, the University will grant to students entering with senior standing the degree of Bachelor of Arts or Bachelor of Arts in Education; to those entering with a bachelor's degree, the degree of Bachelor of Arts in Library Science.

COURSE AND RESIDENCE REQUIREMENTS, AND ADVANCED STANDING

Nine courses must be satisfactorily completed in residence in the University of North Carolina for a degree in Library Science. Students who are admitted with advanced standing in library science must complete an equivalent number of courses in the school or another branch of the University.

The residence requirement for a degree is three academic quarters. This requirement must be completed within five years.

SUMMER SESSION

Any courses as prescribed in the one year curricula, which are given in the Summer Session, may be taken with credit toward the degree. Such courses are described in the announcement of the Summer School.

PLACEMENT BUREAU

The School of Library Science does not undertake to find positions for its graduates. It does, however, maintain, in coöperation with the other University bureaus, a placement bureau which endeavors to bring together its graduates and those who wish to employ library workers.

CURRICULA

Public Library Group:—The following courses are prescribed for those who wish to engage in city or county library work:

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
101 Cataloging	102 Cataloging	123 Book Selection
111 Reference	112 Reference	141 Administration
121 Book Selection	122 Book Selection	One elective
133 Introduction		

School Library Group:—The following courses are prescribed for those who wish to engage in elementary or high school library work:

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
101 Cataloging	102 Cataloging	123 Book Selection
111 Reference	112 Reference	141 Administration
121 Book Selection	122 Book Selection	152 The care and use of library materials (½ course)
133 Introduction		153 Library work with children (½ course)

College and University Library Group:—The following courses are prescribed for those who wish to work in college or university libraries:

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
101 Cataloging	102 Cataloging	141 Administration
111 Reference	112 Reference	151 History of Books and Libraries
121 Book Selection	124 Book Selection	One elective
133 Introduction		

APPLICATION FOR ADMISSION

Application for admission to the school should be made on forms which are secured from the Acting-Director, School of Library Science, The University of North Carolina, Chapel Hill, N. C.

SPECIAL CATALOGUE

Detailed information is given in a special catalogue of the School of Library Science. For expenses see pages 47-51.

COURSES OF INSTRUCTION

Course for Undergraduates

61. THE USE OF BOOKS AND LIBRARIES. (5).

A course in bibliography. Instruction is given on the types of information contained in the most frequently useful reference books. Considerable practice is required in finding material in reference works, periodicals, and other literature in the university library. In addition, each student prepares a bibliography on some subject of interest. *Five hours a week, winter quarter.* Professor Downs.

Required Courses for the Degree of Bachelor of Arts in Library Science**101. CATALOGING AND CLASSIFICATION. (5).**

This course is planned to give students the theoretical side of cataloging and classification with reference to libraries of different types, sizes, and clienteles. Its objective is to study the problems involved in decisions regarding: (1) the kinds and forms of public and official catalogs; (2) classification systems, the division of subjects, and the classifying of printed material; (3) subject headings; (4) the arrangement of books on the shelves, and of cards in the catalog; (5) bibliographical detail, including, e.g., forms of names and the use of Library of Congress printed cards and locally made catalog cards; (6) the catalog department's relation to the other departments of the library; (7) the organization and administration of the work of the department, including estimates on the cost of cataloging; and (8) the securing, organizing, and training of the staff of the department. The work will be carried on through lectures, class discussions, problems, projects, readings, individual and group conferences. *Five hours a week, fall quarter.* Professor Akers.

102. CATALOGING AND CLASSIFICATION. (5).

This is a continuation of course 101 and deals with the actual cataloging and classification of books for libraries of different sizes, types, and clienteles. The objectives are (1) to teach the student to classify and assign subject headings, using the classification system and sources for subject headings best adapted to the needs of his chosen community; (2) to teach the student to make and maintain a catalog and other essential cataloging records for a given community; and (3) to teach the student (a) the distinction between professional and clerical duties, (b) the character traits needful for success, (c) the necessary attention to essential detail, and (d) methods of work, in order to facilitate his transition from the work of the classroom to that of the library. The school, public, and college students will meet as one class and will have their laboratory work together, but each student will work with books suitable for his chosen clientele. The work will be carried on through class discussion, case-method, problems, projects, laboratory work, individual and group conferences. *Five class and eight laboratory hours a week, winter quarter.* Professor Akers.

111-112. REFERENCE AND BIBLIOGRAPHY. (10).

The aim of this course is to familiarize students with the principles of reference work and with the selection and use of basic bibliographical and reference books, public documents, periodicals, and periodical indexes. Lectures on the historical development of various classes of bibliographic materials and practical questions involving their use are followed by individual problems and conferences. Extensive practice is given in the selection of reference and bibliographical material for libraries of various types. Mudge, *Guide to Reference Books*, c1929, is used as a text. *Five hours a week, fall and winter quarters.* Professor Kelling.

121. PRINCIPLES OF BOOK SELECTION. (5).

The object of this course is to cultivate the ability to select literature best adapted to the varying needs of the adult reader in different types of libraries through a study of the underlying principles and practices of approved methods. The work consists of reading, examining, and reviewing selected books by classes, such as literature, history, science, fiction, etc.; a critical study of the principal aids to book selection as tools for practical use in the library; the compiling of selected lists; practice in the writing of book notes; the checking of current book lists; discussion of American publishers; and study of editions. Lectures and discussion groups. *Five hours a week, fall quarter.* Professor Beust.

122. BOOK SELECTION FOR HIGH SCHOOL LIBRARIES. (5).

A survey of adolescent literature and a study of the reading interests of the adolescent, particularly during the high school years. A critical study of standard and classic books for the adolescent, and of reference books for this age group. Criteria for selecting books for adolescents with various reading backgrounds. *Five hours a week, winter quarter.* Professor Beust.

123. BOOK SELECTION FOR CHILDREN'S LIBRARIES. (5).

In general the aim of the course is to acquaint the students with children's reading in order that they may understand the varying appeals that books make to children and thus learn to select books with consideration for the different age groups and differing backgrounds of children. The importance of literature made by children, children's literary tradition, classics, modern and traditional fairy tales, poetry, nursery rhymes, fables and beast tales, myths, epics and sagas, romances, ballads, subject-matter books, illustrated books, books for story-telling, and the history of children's literature are indicated. Practice in the writing of book notes, oral reports, discussions, and lectures. *Five hours a week, spring quarter.* Professor Beust.

124. BOOK SELECTION FOR COLLEGE LIBRARIES. (5).

Continuation of course 121, with emphasis on the needs of the college library. *Five hours a week, winter quarter.* Professor Beust.

133. INTRODUCTION TO LIBRARY WORK.

A series of informal lectures given during the fall quarter will attempt to present the profession of library work to the beginner. During the year demonstrations of library methods and systems through inspection tours, lectures, and exhibits will be offered. This course, for which no credit is given, is required of all students except those admitted to advanced standing who are especially excused. *Throughout the year.* Professor Akers and other lecturers.

141. ADMINISTRATION OF LIBRARIES. (5).

A study of the functions of public, school, and college libraries; the elements of library organization and administration and the variations necessary to special types of service; the library in the community; the inter-relation of work as exemplified by the departments of a large library; finance, personnel, equipment, and buildings; and general book-buying policy. Special projects and discussions. *Five hours a week, spring quarter.* Professor Kelling.

151. HISTORY OF BOOKS AND LIBRARIES. (5).

A survey of the care of books to the present; ancient and medieval libraries; modern library systems, with emphasis on those in England and the United States; important library personalities. The development of written records from prehistoric times to the present day; the forerunners of modern books; the manuscript book; Oriental and European printing; book publishing; book-binding; collectors; etc. Lectures and discussions illustrated with lantern slides and material from the collection of the Hanes Foundation for the Study of the Origin and Development of the Book. Problems, assigned readings, and papers. *Five hours a week, spring quarter.* Professor Downs.

152. THE CARE AND USE OF LIBRARY MATERIALS. (3).

This course includes the study of: (1) problems involved in indexing, arranging, and caring for non-book material, e.g., picture and map collections; and (2) problems involved in decisions regarding the aims of the course in the use of books and libraries, the scope, and the best methods of presentation. The work will be given through lectures, class discussion, problems, and reading. *Three hours a week, spring quarter.* Professor Akers.

153. LIBRARY WORK WITH CHILDREN. (3).

The aim of this course is to present the organization, administration, and equipment of a children's library. Special attention to problems of book buying and the relation of the children's library to other educational institutions. *Three hours a week, spring quarter.* Professor Beust.

Electives

191. SPECIAL PROBLEMS. Credit to be determined on assignment of work.

a. This course is designed to permit students with a mature outlook to engage in some problem of investigation associated with library work. Limited to students with advanced standing. *Throughout the year on application.* The faculty of the School.

b. This course continues work in any special phase of Book Selection, Cataloging, or Reference in which a student or group of students is interested—seminar or laboratory project—different groups working under different instructors. *Spring quarter.* The faculty of the School.

Electives from Other Departments**ECONOMICS 170. ECONOMIC STATISTICS. (5).**

Three lecture and four laboratory hours a week, every quarter. Laboratory fee, \$2.00. Professor Fenger.

EDUCATION 160. CURRICULUM CONSTRUCTION. (5).

Five hours a week, winter quarter. Professor Trabue.

ENGLISH 163. LITERARY CRITICISM. (5).

Five hours a week, spring quarter. Professor Bond.

ENGLISH 331. SEMINAR: BIBLIOGRAPHY. (5).

Five hours a week, winter quarter. Professor Paine.

HISTORY 201ab. HISTORIOGRAPHY. (3 each).

Three hours a week, fall and winter quarters. Professor Caldwell.

PUBLIC ADMINISTRATION 101. PUBLIC ADMINISTRATION. (5).

Prerequisite, Bachelor's degree, or three courses in Government, History, Economics, and Sociology.

Fall or spring quarter. Professor _____.

SOCIOLOGY 209. SOUTHERN REGIONAL SOCIAL PROBLEMS. (5).

Five hours a week, winter quarter. Professor Odum.

PART SIX

COMMENCEMENT CATALOGUE OF STUDENTS INDEX

ONE HUNDRED AND THIRTY-NINTH COMMENCEMENT 1934

Sunday, June 10th

BACCALAUREATE SERMON, REV. HENRY M. EDMONDS, D.D.
LAWN CONCERT—MEMORIAL CHIMES
SYMPHONY ORCHESTRA CONCERT
VESPER SERVICES
“MASS, E FLAT”—SCHUBERT, CHORAL CLUB

Monday, June 11th, Alumni Day

ANNUAL MEETING OF THE ALUMNI
ALUMNI LUNCHEON
PRESIDENT'S RECEPTION TO SENIORS
FOLK PLAYS, CAROLINA PLAYMAKERS
ALUMNI RECEPTION AND ALUMNI BALL

Tuesday, June 12th, Class Day

SENIOR PRAYERS
CLASS EXERCISES OF THE GRADUATING CLASS
CONTEST FOR THE MANGUM MEDAL
INTER-SOCIETY DEBATE FOR THE BINGHAM MEDAL
TUESDAY EVENING, JUNE 12TH, GRADUATION EXERCISES
IN MEMORIAL HALL
ADDRESS—HARRY LLOYD HOPKINS
PRESENTATION OF DIPLOMAS AND ADDRESS BY
His Excellency, JOHN C. B. EHRLINGHAUS
AWARDING OF HONORARY DEGREES

DEGREES IN COURSE

Bachelors of Arts

John Frederick Alexander
 Alexander Boyd Andrews III
 William Eugene Armstrong
 Samuel Balis
 *Milton Augustus Barber, Jr.
 †William Gilbert Barnett
 Maurice Victor Barnhill, Jr.
 John Knox Barrow, Jr.
 Thomas Winfield Blackwell, Jr.
 *William Fisher Blount
 Bryson Ervin Boyle
 William Sterry Branning
 George Ronald Brown
 Walter Earl Brown
 Sarah Elizabeth Bulla
 Louise Carleton Capps
 Claiborn McDowell Carr, Jr.
 Merl John Carson
 Edwin Douglas Cartland
 George Wallace Chandler, Jr.
 Roy Bartlett Chapin
 Harry White Coble
 Charles Franklin Crews, Jr.
 Frank Wilbur Dorsett
 John Wesley Dudley
 Elizabeth Jane Durham
 John Walter Covington Entwistle
 Leo Esbinsky
 Foster Fitz-Simons
 Lawrence H. Fountain
 †Ralph Gerald Gialanella
 Saul Joseph Gordon
 Julia Elizabeth Graham
 DeWitt Allen Green
 Malcolm MacMillan Heber
 *Charles Alexandre Hebert
 Marina Hoyt Henry
 Theodore Tilghman Herring
 Morton Paul Hiller
 John Lawrence Hodges
 Isaac Wayne Hughes
 Israel Harry Jacobson
 Katherine Hoge Jamieson
 Everett Mumford Jess
 †Thor Martin Johnson
 †Francis Leonidas Joyner
 Harry Lee Knox
 James Gordon Kurfees

Sanford Martin Langsam
 John Duncan Leak
 Maurice Richard Leon
 Nathaniel Wilson Lumpkin, Jr.
 *Dallas William Lynn
 Herman McCray McCorkle
 †David Graham McLeod
 Robert Monroe McMillan
 William Sater Markham, Jr.
 Israel Matthew Matlin
 Brodie Crump Nalle, Jr.
 Thomas Gluyas Nisbet
 *Eugene Pleasants Odum
 Elmer Rosenthal Oettinger, Jr.
 Francis Marion Parker
 Mary Toole Parker
 Manie Leake Parsons
 Ambrose Jones Pollard, Jr.
 James Shook Queen
 German Edgar Radford
 Forney A. Rankin
 Robert Rice Reynolds, Jr.
 Jean Evans Rose
 Laura Eugenia Ross
 J. Herbert Rothkopf
 Kenneth Harvey Schwartz
 Robert Crawford Scott, Jr.
 Giles Freemont Shepherd, Jr.
 Donald Cleavenger Shoemaker
 Harley Ferguson Shuford
 Thomas Booth Spencer
 Raymond Oscar Stein
 Otto Selick Steinreich
 Newman Alexander Townsend, Jr.
 James Boylan Thompson
 †Thomas Henry Walker
 Caroline Chalmers Ward
 Thomas Webb
 Arthur Howard Weinberg
 Taul Bradford White, Jr.
 Samuel Austell Wilkins, Jr.
 Helene Battle Willingham
 Franklin Wilson
 Joseph Townsend Wilson, Jr.
 Charlotte Blanton Winborne
 William Robert Woerner
 *Tom McVickar Worrall
 Florence Carson Yancey

Bachelors of Arts in Education

Allen Edwin Akers
 Frederick Jackson Allred
 Placid Burleigh Bennett

Eleanor Laura Bizzell
 Grace Brown Bowes
 Dorothy Bradley

* Absent by permission.

‡ In Journalism.

† In Music.

Lacy David Burch
 Ralph Bryant Cheek
 Marshall Rudolph Cox, Jr.
 Maude Elizabeth Crowder
 Mary Leone Currie
 Rubie Cheek Dimmette
 *Glennes Worthen Dodge
 Helen Russell Edwards
 Joseph Franklin Ferrell
 Richard Bryan Finger
 Charles Lee Folger
 Earle Columbus Funderburke
 Austin McDonald Garriss
 Harvey William Gentry
 Joseph Sam Gentry
 Frank Ginsberg
 Frances Cleveland Godwin
 William Clyde Griffin
 Woodrow Wilson Hartsell
 Elmer Lee Hauser
 Virginia Hendricks
 Willard Chappell Hewitt
 Alfred Latham Hodges
 John Anton House
 James Ernest Huneycutt
 Janie Jolly
 Melrose Maxie Kennedy
 Taylor Rock Kennerly
 Donald Shoaf Kimrey

Robert Rosborough Leeper
 Clyde Wilson Leonard
 Martin Levinson
 William Ashburn Masten
 Clark Mathewson
 Cora May Moore
 James Norwood Myers
 Maie Myers
 Jessie Tayloe Newby
 Gladys Foster Otten
 James Hardy Overton, Jr.
 Mary Byrd Perrow
 Sarah Elizabeth Phillips
 Mary Kent Seagle
 James Wickliffe Smith
 James Pettigrew Temple, Jr.
 Charles Stephens Templeton
 Sarah Dixon Vann
 George Bryan Wagoner
 Richard Quillen Ward
 Mary Ellen Watts
 John Edward Way
 Ray Elam Weathers
 Virgil Stowe Weathers
 Thomas Harrison Whitley
 James Harold Williams
 William Thaddeus Woodard
 Charles Lloyd Wyrick

Bachelors of Science in Chemistry

Joseph Erwin Gant, Jr.
 Clinton Cyril Hudson

Walker Fitch Hunter, Jr.

Bachelors of Science in Geology

*Gus Obie Davis
 John Crawford Dunlap
 Joseph Clarence Goldston
 *Erik Norman Kjellesvig

*Henry Champlin Lay
 John Caldwell McCampbell
 Thomas Edmunds Marshall, Jr.
 Lenton Orlando Rowland

Bachelors of Science in Medicine

Seny Bynum
 Clarence Paul Cameron
 Ernest Woodrow Fisher
 Roy Wade Franklin

Walter Monroe Summerville
 Thomas Clarkson Worth
 Wiley Royster Young

Bachelors of Science in Chemical Engineering

John Jay Pittman

Claude Melnoth Sawyer, Jr.

Bachelors of Science in Civil Engineering

Frederick Eugene Culvern
 Richard Maurice Dailey
 Sydney Franklin
 Clifford Clarke Glover

John Mack Isley
 Simon Krock
 Dayton Jay Lanier
 *Samuel Stuart Scarboro

* Absent by permission.

Bachelors of Science in Electrical Engineering

Ray Wilson Foster
 Franklin Marvin Glover, Jr.
 Edwin William Kerr

Herbert Forbes Stewart
 Sidney Harmon Usry, Jr.

Bachelors of Science in Mechanical Engineering

Arthur Albert Cohen
 Paul Robert Hayes
 Edward Louis Kendrick

Sam Sidney Meyers
 Stephen Henderson Pitkin

Bachelors of Science in Commerce

John Marshall Acee
 Richard Stokes Adderton
 Cyrus Walton Aman
 William English Anglin
 Julian Tucker Baker
 James Houston Barnes
 William Earle Beale
 James Norman Blaine
 George Fred Brandt
 Cornelius Beckham Bretsch
 Hayes Allen Brooks
 *Vernon Louis Brown
 Carmen Malet Butler
 Robert Harllee Carmichael
 *Arthur Oakley Carraway
 William Rose Coleman
 James Thomas Comer
 Ansley Cope
 Andrew Otho Curl, Jr.
 George Stratford Donnell
 John Howell Doran
 *Bernard Elias Ellisberg
 Julian Carter Frankel
 Cicero Albert Frazier
 Floyd McCoy Garner
 James Thomas Griffith, Jr.
 Roger Clark Harper
 Virginia Lea Harrison
 Herman Dermont Hedrick
 *Flavius Durant Hornaday, Jr.
 Duncan Gilchrist Hughes
 Ernest Woodrow Hunt

William Thaddeus Hussey
 Frank Ritch Irvin
 James Marvin Johnson
 *Ray Wooten Johnson
 Richard Hare Kelly
 Enoch Lawrence Lee, Jr.
 George Roscoe Little, Jr.
 Seymour Lorberbaum
 Carlton Boner Lowder
 John Patrick McCoy
 Edwin Earl McRae
 Bernard Menge
 Edward Griffin Michaels II
 Allen Darlington O'Bryan
 John Tettemer O'Neil
 James Williams Peacock
 Randolph Smith Reynolds
 Malcolm Stewart Robertson, Jr.
 Athos Rostan
 Samuel Samson
 Milton Schmukler
 *Bernard Elias Singer
 James Gudger Stikeleather
 Henry Shumate Sullivan
 Louis Gray Sullivan
 Henry C. Taylor, Jr.
 Herman Lewis Waters
 Jordan David Winstead, Jr.
 John Lonnie Womble, Jr.
 Otto Stacks Woody
 Charles Thomas Woollen, Jr.
 Virginia Flemming Yancey

Bachelors of Science in Public Administration

Henry Lawrence Everett
 Eunice Mae Pope

Hilliard Baxley Wilson

Doctors of Law

Joseph Colin Eagles
 *Hugh Lewis Lobdell

Cecile Louise Piltz
 Harold Birnie Whitmore

Bachelors of Law

Henry London Anderson
 William English Anglin

Ira Wilson Barber, Jr.
 Arthur Allen Block

* Absent by permission.

Emerson Penn Dameron
 Carl Duncan Downing
 *Irvin Elsworth Erb
 Robert Walker Geitner
 Benjamin Gordon Gentry
 §John Wharton Gillespie
 *Howard Gibson Godwin
 James Clivie Goodwin

Jule McMichael
 Alan Ashworth Marshall
 Joseph King Ray
 Robert Howard Schnell
 *George Slover
 William Agurs Starbuck
 Lynn Wilder, Jr.

Bachelors of Science in Pharmacy

Claude Baxter Clark, Jr.
 George Thomas Cornwell

Woodrow Wilson Johnson
 Claude Philip Suttlemyre

Graduates in Pharmacy

*Adolf George Ahrens
 Hilliard Fletcher Bobbitt
 Gordon Hershel Brown
 Leonard Hycienth Crumpler
 Marvin Lee Davis
 William Garland Dudley, Jr.
 William Floyd Farmer
 William Clyde Hollowell
 William Henry Houser
 John Franklin Croom Hunter

Herbert Edward Lovett
 Numa Hill McCollum, Jr.
 *Lenwood Johnson McNeill
 James Daniel Matheson
 Charles Lynwood Neal
 Ulysses Stratton Puckett
 Norward Travis Taylor
 Robert R. Wells
 James Monroe Wheless, Jr.
 Roland Scott Whiteley

Bachelors of Arts in Library Science

Lucile Mason Althar
 Edith Eugenia Averitt
 Fannie Gregory Bradley
 Charlotte Elizabeth Flynn
 Emma Gregory
 Sara Kilpatrick Hamilton
 Sara Louise Hanlin
 Agnes L. Harrell

Minna Gaston LeGrand
 Betty Gray Long
 Adelaide Sams Maner
 Dorothy Elizabeth Moss
 Neville Cornelia North
 Ac Ruble
 Mary Trimble Shore
 Ruth Harvey Thomason

Masters of Science

Edward Brenner (in Chemical Engineering)
 Colin Carmichael (in Mechanical Engineering)
 *James Kinney Colehour

Charles Edward Feltner (in Civil Engineering)
 Frank Wyman Grant (with distinction)
 *Agnelo Caldeira Prazeres (in Civil Engineering)

Masters of Arts

Hyman Hertzell Addlestone
 Robert Mayne Albright
 Frank Armfield
 *Robert Warren Barnett
 *Weldon Amzy Brown
 June Rainsford Butler
 *Rachel Cordle
 James Workman Culbertson
 (with distinction)
 Fay Ross Dwelle

Dan Fore, Jr.
 Robert E. Gee, Jr.
 William Herman Gehrke
 Edward Kidder Graham
 *William Herman Eckart Johnson
 Frederic Lawrence Jones
 Ruth Gregory McAuliffe
 Myron Stanley McCay
 James Henry McCormick
 *Margaret Callender McCulloch

* Absent by permission.

§ As of 1928.

*Knox Miller McMillan
Robert Ellington Marshall
Eugene Edwin Pfaff
Pauline Myrtle Rogers
Doris Louise Schneider
Ruth Scholz

Budd Elmon Smith
(with distinction)
William Rowe Weaver
(with distinction)
Francis Dudley Williams
Mary Catherine Williams

Guy Aytch Williams

Doctors of Philosophy

James Osler Bailey, English

Thesis: Scientific Fiction in English: 1817-1914. A Study of Trends and Forms.

Daniel Johnson Brawley, Chemistry

Thesis The System: $\text{PbO}_2\text{-PbSO}_4\text{-H}_2\text{SO}_4\text{-H}_2\text{O}$.

Franklin Pierce Cauble, Jr., English

Thesis: William Wirt and His Friends: A Study in Southern Culture, 1772-1834.

Alfred Turner Clifford, Chemistry

Thesis: A Study of Cellulose from Various Sources by Means of X-Rays and Darkfield Microscopy.

Ernest William Constable, Chemistry

Thesis: The Diverse Equilibrium Behavior of Ferric Sulfate.

John Stewart Davenport, English

Thesis: The Ode in American Literature.

Ezda May Deviney, Zoölogy

Thesis: The Behavior of Isolated Pieces of Ascidian (*Perophora Viridis*) Stolon as Compared with Ordinary Budding.

Stanley Wales Preston, Economics and Commerce

Thesis: The Influence of Commodity Characteristics, Organizational Forms and Institutional Environment on Price: As Shown in the Cases of Wheat, Rubber, and Coal.

George Frank Sensabaugh, English

Thesis: John Ford: An Historical and Interpretative Study: With Special Reference to Burton's *Anatomy of Melancholy* and to the Court of Henrietta Maria.

James Otho Turner, Chemistry

Thesis: The Identification and Uses of Mercaptans and Disulfides.

Mitchell Preston Wells, English

Thesis: Pantomime and Spectacle on the London Stage, 1714-1761.

Viola Chittenden White, English

Thesis: Symbolism in Herman Melville's Writings.

Wade Phillips Young, Rural Social-Economics

Thesis: History of Agricultural Education in North Carolina.

HONORARY DEGREES

Doctors of Laws

J. C. B. Ehringhaus
Herman H. Horne

Mrs. Jane C. McKimmon
Louis R. Wilson

* Absent by permission.

Elected to Phi Beta Kappa, 1934: Lawrence Sidney Thompson, President; Joseph J. Sugarman, Jr., Vice-President; F. P. Abernethy, Eben Alexander, Jr., J. F. Alexander, A. H. Bahnson, Jr., B. H. Barnes, J. A. Barrett, Leon Bedrick, J. N. Blaine, W. S. Branning, H. C. Bridgers, Jr., J. F. Butler, Louise C. Capps, J. B. Crutchfield, Nestore DiCostanzo, K. N. Diamond, A. T. Dill, Jr., M. S. Dunn, Elizabeth J. Durham, E. K. Edelson, R. W. Gardner, E. E. Griffin, Jr., J. W. Gunter, Virginia L. Harrison, H. H. Harriss, H. R. Hazelman, M. G. Heath, Jr., J. L. Hodges, R. L. Huber, T. M. Johnson, W. W. King, Jr., S. M. Langsam, M. R. Leon, J. H. Long, D. W. Lynn, W. E. McNair, E. W. Martin, H. H. Mills, W. C. Morrison, H. M. Parker, Manie L. Parsons, F. M. S. Patterson, C. A. Poe, N. H. Powell, Elizabeth Raney, W. L. Ridenhour, F. A. Rankin, V. C. Royster, T. M. Simkins, B. E. Singer, L. C. Sistare, E. W. Smith, L. S. Tracy, Jr., J. F. Webb, Jr., Frances S. White, T. B. White, Jr., S. A. Wilkins, Jr., K. W. Young.

Elected to Sigma Xi, 1934: Active—D. J. Brawley, A. T. Clifford, E. W. Constable, W. M. Loftin, Jr., J. O. Turner; *Associate membership*—Hyman Addlestone, J. A. Alexander, Edward Brenner, J. W. Culbertson, H. O. Farr, E. O. Huffman, E. N. Kjellesvig, J. C. Loftin, M. S. McCay, Vera Millsaps, H. M. Nahikian, Alice Ruth Scholz, R. D. Weatherford, F. D. Williams.

Elected to the Order of the Coif, 1934: J. C. Eagles, I. E. Erb, H. L. Lobdell.

MEDALS, PRIZES, AND FELLOWSHIPS

The Early English Text Society Prize—Not awarded.

The Eben Alexander Prize in Greek—Thomas Moorman Simkins, Jr.

The Bryan Prize in Political Science—Eugene Edwin Pfaff.

The Hill Law Review Prize—Irvin Elsworth Erb.

The Archibald Henderson Medal in Mathematics—Edward McDonald Serrem.

The Mary D. Wright Memorial Prize in Debate—Clarence Walton Griffin.

The Patterson Medal—Virgil Stowe Weathers.

The Ledoux Fellowship in Chemistry—Walker Fitch Hunter, Jr.

Delta Sigma Pi Scholarship Key—John Tettermer O'Neil.

Corbis A. Walker Accounting Award—Andrew Otho Curl, Jr.

The Mildred Williams Buchan Prize in Philosophy—Laura Eugenia Ross.

The Graham Kenan Fellowship in Philosophy—Connie Burwell, Whitfield Cobb, Jr.

The Algernon Sidney Sullivan Awards—Janie Jolly, O. H. Weeks, Claiborn Carr.

The Lehn and Fink Medal in Pharmacy—Charles Lynwood Neal.

The Rockefeller Fellowship in Play Writing—Loretto Carroll Bailey.

The Joseph Lewis Graham Memorial Award—Franklin Pierce Abernethy.

The Mangum Medal—L. H. Fountain.

The Bingham Prize—C. W. Griffin.

DEGREES CONFERRED IN AUGUST 1934

Bachelors of Arts

Murray S. Afrean
Leon Irving Bedrick
Clifton Clement Bennett, Jr.
Edwin T. P. Boone, Jr.
J. Henry Burnett, Jr.
William Bynum
Nestore DiCostanzo
Aaron Wolfe Edelson
Joseph Eisner
James Bailey Farr

Frederick Earl Harilee, Jr.
Elizabeth Jeter Johnson
Walter Raleigh Jones, Jr.
Benjamin Bruce Langdon
Emanuel Alfred Neuren
Warren Fizzell Olmsted
Junius Gustavus Patterson
Thomas Edward Ratcliffe, Jr.
Albert Rhett Simonds
Robert Newton Woodworth

Bachelors of Arts in Education

James Watts Blackhurst	James Iredell Mason
Margaret Strange Broadfoot	Bronnie A. Nance
Sallie Mae Ewing	Elizabeth Raney
Eugene Ashby Hammond	Glenn Hatcher Rowell
Lucille Elizabeth Hunt	Frank Mitchael Rubino
Merle McAdams	Bess McCurdy Shewbert
James Norman McCaskill	Selma Caroline Webb

Bachelor of Science in Chemical Engineering

Albert Edward New

Bachelors of Science in Civil Engineering

Robert Mickle Culvern	Edward Price McLean
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Bachelors of Science in Electrical Engineering

Joseph Claybourne Cordle	Clifton Morgan Garrison
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Bachelor of Science in Medicine

William Martin Benzing, Jr.

Bachelors of Science in Commerce

Marcellus James Best	George Holcomb Malone
Leazar McCorkle Caldwell	James Strowd Poole
James Dallas Garland	James Ray Strawn
John Desmond Idol	Lemuel Preston Tyree, Jr.
	William Robert Wood

Graduates in Pharmacy

Roscoe Langdon	Derwood Paul Robinson
	Donald O. Tate

Bachelor of Laws

Wofford Forest Humphries, Jr.

Masters of Science

Antonios Antonakos	Henry Leitner Edwards
Charlotte J. Califf	Ernest Otto Huffman

Masters of Arts

George Cotton Smith Adams	Vida Brown Miller
Herbert Allan Anderson	Howard Movess Nahikian
Annie Catherine Aycock	Grevilda Cassandra Norman
Nancy Lee Carroll	Rembert Wallace Patrick
Sally Milton Carter	Lindsey Jackson Perry
Delido Cordova	Lessie Brown Phillips
Anne Woollen Ferree	William Leslie Raddatz
Helen Margaret Fleming	Nellie Bass Richardson
Annie Beam Funderburk	Chester Eugene Swor
Maude Moore Horne	Martha Taylor
John Ballenger Knox	John Potter Torian
Joseph Moody McDill	Anna Elizabeth White
Marietta Walkup McNeer	Carolina Brunetta Wilson

Doctors of Philosophy

Joseph Nisbet LeConte	Paul W. Shankweiler
	Simpson Douglas Sumerford

THE CATALOGUE OF STUDENTS

The Graduate School, 1934-1935

(NOTE: No distinction is made in this list between admission to the Graduate School and admission to candidacy for a degree. When no institution is mentioned from which the degree was received, the University of North Carolina, Chapel Hill, is understood.)

Abernethy, Cecil Emory	Birmingham, Ala.
A.B., Birmingham-Southern Coll., 1930, s.	English
Adams, Margaret Elinor	Portland, Ore.
B.S., Univ. of Oregon, 1933, fws.	French, Comparative Literature
Alexander, Allen Leander	Statesville
S.B. in Chem., 1931, fws.	Chemistry, Physics
S.M., 1932.	
Allen, Lillian Graham	Hendersonville
A.B., Converse Coll., 1918, fws.	French, Latin
Anderson, Charles Meeks	Chapel Hill
A.B., Johnson Bible Coll., 1912.	Economics, Commerce
A.M., <i>ibid.</i> , 1916.	
M.A., Univ. of Michigan, 1917, fws.	
Aycock, Andrew Lewis	Wake Forest
B.A., Wake Forest Coll., 1926.	English
M.A., Tulane Univ., 1928, fw.	
Bailey, William Fleming	High Point
A.B., Guilford Coll., 1932, f.	Sociology
Barr, Ernest Scott	Chapel Hill
A.B., 1926.	Physics, Mathematics
A.M., 1933, fws.	
Barrett, John Alfred	Ponce, Puerto Rico
Candidate for A.B. in Educ., 1935, s.	Spanish, French
Belcher, Robert Herschel	Cairo, Ga.
B.S., Ga. State Coll. for Men, 1930.	Chemistry, Physics
S.M., 1931, fws.	
Bell, Marshall Cornett	Murphy
A.B. in Educ., 1933, fws.	Mathematics
Berwanger, Sybille Kahn	Raleigh
A.B., 1932, fws.	Psychology
Bice, Harry Voorhies	Chapel Hill
B.A., Temple Univ., 1924.	Psychology, Neuro-Anatomy
B.D., Drew Univ., 1928, fws.	
Blackwell, Gordon Williams	Spartanburg, S. C.
A.B., Furman Univ., 1932.	Sociology, Public Administration
A.M., 1933, ws.	
Boliek, Mildred Irene	Hickory
A.B., N. C. Coll. for Women, 1929.	Zoölogy, Botany
A.M., 1933, fws.	
Bolton, Elizabeth Grier	Chapel Hill
A.B., 1933, s.	Public Administration
Boone, William Edward	Spencer
A.B., Catawba Coll., 1929, fws.	History
Bowen, Sumter	High Point
A.B., Transylvania Coll., 1929, s.	Education
Bray, Bun Benton, Jr.	Siler City
A.B. in Educ., 1933, ws.	History, Government
Brenner, Edward	Hendersonville
S.B. in Chem. Eng'g., 1933.	Chemical Eng'g., Mathematics
S.M., 1934, fws.	

Broadway, Virginia Daniels	Tarboro
A.B., Limestone Coll., 1933, w.	Zoölogy
Brown, Dalmar Adolph	Jamesville
A.B., 1924.	English
A.M., 1932, fws.	
Brown, Weldon Amzy	Cycle
A.B., Dartmouth Coll., 1933.	History
A.M., 1934, fws.	
Buffalo, Mary Claire Randolph	Little Rock, Ark.
A.B., Central Mo. State Teachers Coll., 1928.	English
M.A., Univ. of Missouri, 1929, f.	
Burwell, Connie Jones	Charlotte
A.B., Sweet Briar Coll., 1934, fws.	Philosophy, English
Burt, Lucy Perry	Louisburg
A.B., Duke Univ., 1928, f.	Public Administration
Cameron, Edward Alexander	Southern Pines
A.B. in Educ., 1928.	Mathematics
A.M., 1929, fws.	
Campbell, Marjorie Adams	Chapel Hill
B.A., Univ. of Wisconsin, 1917.	History, Economics
M.A., Trinity College, 1932, fws.	
Cantrell, Clyde Hull	Charlotte
A.B., 1933, fws.	Spanish, French
Carmichael, Kate Jeffreys	Goldsboro
B.S., N. C. Coll. for Women, 1909.	English
A.M., 1929, f.	
Chandler, George Wallace, Jr.	Winston-Salem
A.B., 1934, fws.	English
Chase, Harold Mason	Danville, Va.
S.B. in Chem. Eng'g., Mass. Inst. of Technology, 1894.	Chemistry
S.B. in Chem., <i>ibid.</i> , 1896, fws.	
Cobb, Mabel Benner	Tougaloo, Miss.
A.B., St. Lawrence Univ., 1901, fws.	Spanish, French
Cobb, Whitfield, Jr.	Winston-Salem
A.B., 1933, fws.	Philosophy, Mathematics
Coenen, Frederic Edward	Chapel Hill
A.B., Univ. of Arizona, 1928.	German, French
A.M., <i>ibid.</i> , 1930, fws.	
Coker, Robert Ervin, Jr.	Chapel Hill
A.B., 1932, fws.	French, Spanish
Congleton, James Edmund	Taylorsville, Ky.
A.B., Berea Coll., 1926.	English
M.A., George Peabody Coll. for Teachers, 1928, fws.	
Cook, Freeman Waldo	Georgiaville, R. I.
B.S., N. C. State College, 1930.	Zoölogy
M.S., <i>ibid.</i> , 1932, fws.	
Cordova, Delfido	Morehead City
A.B., Tusculum Coll., 1911.	Spanish, French
A.M., 1934, fws.	
Cornsweet, Albert Charles	Cleveland, Ohio
Ph.B., Brown Univ., 1929, s.	Psychology
Coulter, John Lee, Jr.	Washington, D. C.
B.A., American Univ., 1934, fws.	English
Cox, Ernest Haynes	Chapel Hill
A.B., Carson-Newman Coll., 1927.	English
M.A., Univ. of Tennessee, 1930, fws.	
Cox, Floyd Milton	Climax
A.B., Guilford Coll., 1929.	Sociology
A.M., 1931, fws.	
Craven, Claude Jackson	Charlotte
A.B. in Educ., 1931.	Physics, Mathematics
A.M., 1933, fws.	

Creech, Walter Devereux, Jr.	Chapel Hill
A.B., 1928.	French, Spanish
A.M., 1930, fs.	
Culvern, Frederick Eugene	Chapel Hill
S.B. in Civ. Eng'g., 1934, fw.	Civil Eng'g., Mathematics
D'Anna, Helen Howard	Hickory
A.B., Lenoir Rhyne Coll., 1934, ws.	Public Administration
Daniel, Ella Mae	Salisbury
A.B., Catawba Coll., 1934, fws.	English
Davis, Benson Willis	Chapel Hill
A.B. in Educ., 1929, fws.	Latin
Davis, Lulu V.	New York, N. Y.
B.S., New York Univ., 1934, f.	Psychology
Di Costanzo, Nestore	Rochester, N. Y.
A.B., 1934, fws.	Mathematics
Donovan, Clement Harold	Canton, N. Y.
B.S., St. Lawrence Univ., 1931, fws.	Economics, Commerce
Dorsett, Wilbur	Spencer
A.B., 1934, fws.	English
Dougherty, Edwin Shull	Boone
B.S., Appalachian State Teachers Coll., 1934, fws.	Education
Driscoll, Raymond Levering	Toano, Va.
B.S., Coll. of William and Mary, 1928, ws.	Physics
Dudrow, Dorothy Beall	Durham
A.B., Hood Coll., 1930, f.	Sociology
Duffy, Ruth Gilliken	Reidsville
A.B., Greensboro Coll., 1914, f.	Public Administration
Edelman, Alexander Taylor	Goldsboro
A.B., Davidson Coll., 1930, fws.	Government, History
Edwards, Richard Archer	Niagara Falls, N. Y.
B.S., Univ. of Michigan, 1931.	Geology
M.A., Univ. of Cincinnati, 1934, fws.	
Engstrom, Alfred Garvin	Belvidere, Ill.
A.B., 1933, fws.	French, Spanish
Estes, Josephine Sneed	Danville, Va.
A.B., Randolph-Macon Woman's Coll., 1930, f.	Education
Evans, Wilfred Victor	Raleigh
B.Sc., N. C. State Coll., 1933, fw.	History, Government
Everett, John Edward	Jefferson City, Tenn.
A.B., Carson-Newman Coll., 1934, fws.	Chemistry, Bio-Chemistry
Ewart, Hildegard	Chapel Hill
A.B., Wellesley Coll., 1931, f.	Education, History
Farr, Henry Orello, Jr.	Brunswick, Ga.
B.S., The Citadel, 1931.	Chemistry, Physics
M.S., Pennsylvania State Coll., 1932, fws.	
Fisher, Roscoe Brown	Salisbury
A.B., 1931, f.	Sociology
Fletcher, James Floyd	Raleigh
A.B., Wake Forest Coll., 1934, fws.	Economics
Fore, Dan, Jr.	Flora, Miss.
B.A., Mississippi Coll., 1932.	Chemistry, Physics
A.M., 1934, fws.	
Fourie, Louis Johannes	Raleigh
B.Sc., N. C. State Coll., 1929.	Zoölogy
M.S., <i>ibid.</i> , 1930.	
Frost, John Davis, Jr.	Spartanburg, S. C.
A.B., The Citadel, 1922, s.	French, Spanish
Garrett, Robert Lee	Bowdon, Ga.
B.S., Univ. of Georgia, 1926.	Mathematics
A.M., 1930, ws.	

Garrison, Mary Beth	Burlington
B.S., Appalachian State Teachers Coll., 1931, f.	<i>Public Administration</i>
Gilbert, Dorothy Lloyd	Guilford College
A.B., Earlham Coll., 1925.	<i>English</i>
M.A., Columbia Univ., 1929, fws.	
Githens, Sherwood	Ashland, N. J.
A.B., Bucknell Univ., 1931.	<i>Physics, Mathematics</i>
A.M., 1933, fws.	
Glynn, Madeleine	Chicago, Ill.
A.B., Univ. of Nebraska, 1930, f.	<i>English</i>
Godbold, Lucile Ayers	Chapel Hill
A.B., Southern Methodist Univ., 1926, f.	<i>Sociology</i>
Gordon, Gertrude Cecilia Knopf	New York, N. Y.
B.A., Barnard College, 1934, f.	<i>History, English</i>
Gordy, Walter	Lawrence, Miss.
B.A., Mississippi Coll., 1932, fws.	<i>Physics, Mathematics</i>
Griffin, Max Liles	Wake Forest
B.A., Wake Forest Coll., 1929.	<i>English</i>
M.A., Tulane Univ., 1931, fw.	
Grisette, Felix Alexander	Chapel Hill
A.B., 1922, fw.	<i>Education, History</i>
Grubb, Gerald Giles	Wake Forest
A.B., Catawba Coll., 1928, fws.	<i>English</i>
Gunter, John Wadsworth	Greensboro
Candidate for S.B. in Comm., 1935, s.	<i>Economics</i>
Hagood, Monroe Johnson	Chinquapin
A.B., The Citadel, 1929.	<i>English</i>
A.M., 1932, fw.	
Hammer, Carl, Jr.	Salisbury
A.B., Catawba Coll., 1934, fws.	<i>German, English</i>
Hampton, Lou Frances	Leaksville
A.B., N. C. Coll. for Women, 1930, s.	<i>Sociology</i>
Hancock, Ernest Dewey	Bear Creek
A.B. in Educ., 1930, fws.	<i>Sociology</i>
Hartsell, Earl Horace	Chapel Hill
A.B., 1924, fws.	<i>English</i>
Hawes, Ruth Belt	Richmond, Va.
B.S., Columbia Univ., 1910.	<i>English</i>
M.A., <i>ibid.</i> , 1930, ws.	
Hayes, Francis Clement	Chapel Hill
A.B., 1924.	<i>Spanish, French</i>
M.A., Columbia Univ., 1930, f.	
Henry, Nathaniel Harding	Chapel Hill
A.B., 1929.	<i>English</i>
A.M., 1933, fws.	
Hewitt, Willard Chappell	Elizabeth City
A.B. in Educ., 1934, fws.	<i>Botany Zoology</i>
Hildebrand, Cornelia Ismae	Teague, Texas
A.B., Texas State Coll. for Women, 1927, s.	<i>English</i>
Hines, Samuel Middleton	Warsaw
A.B., Davidson Coll., 1934, fws.	<i>Psychology</i>
Hodges, Helen Louise	Chapel Hill
A.B., N. C. Coll. for Women, 1930, ws.	<i>Government, History</i>
Hodges, John Lawrence	Winston-Salem
A.B., 1934, fws.	<i>History</i>
Hornbeck, Ross Wright	East Plain, N. Y.
B.S., St. Lawrence Univ., 1934, fws.	<i>Geology</i>
Horney, Giles Foushee	Greensboro
S.B. in Elec. Eng'g., 1931, f.	<i>Mechanical Eng'g., Mathematics</i>

Howell, James	Elizabethtown English
A.B., Guilford Coll., 1925.	
A.M., 1931, fws.	
Hoyle, Hughes Bayne	Charlotte Mathematics
A.B., 1929, s.	
Hudson, Clinton Cyril	Sparta
S.B. in Chem., 1934, fws.	Chemistry, Physics
Huffman, Ernest Otto	Hickory
B.S., Lenoir-Rhyne Coll., 1932.	Chemistry, Physics
S.M., 1934, fws.	
Hume, Robert Douglas	Monterey, California
A.B., Univ. of California, 1929, fws.	English
Hunt, Lucille Elizabeth	Oxford
A.B. in Educ., 1934, s.	Education
Hunter, Joseph Everett, Jr.	Clemson College, S. C.
B.S. in Chem., Clemson Coll., 1934, fws.	Chemistry, Physics
Hunter, Walker Fitch, Jr.	Enfield
S.B. in Chem., 1934, fws.	Chemistry, Bio-Chemistry
Isley, Harriet Dudley	Charlotte
A.B., Florida State Coll. for Women, 1933, f.	Sociology
James, Isadore Lewis	Brooklyn, N. Y.
A.B., Catawba Coll., 1934, fws.	Biology
Jenkins, Sadie Franklin	Nashville
A.B., Greensboro Coll., 1922.	English
A.M., 1930, s.	
Johnson, Joseph Herman	Southern Pines
B.A., Univ. of Richmond, 1927.	Sociology, Public Administration
A.M., 1933, fws.	
Johnson, Norman Huff, Jr.	Charlotte
B.A., Coll. of William and Mary, 1928, fws.	History
Johnston, William Rogers	Charlotte
Candidate for S.B. in Chem., 1935, ws.	Chemistry, Bio-Chemistry
Jones, Martha Dabney	Norfolk, Va.
A.B., Sweet Briar Coll., 1929, ws.	English
Kapp, Mary Eugenia	Mt. Airy
A.B., N. C. Coll. for Women, 1930.	Chemistry, Mathematics
M.A., Duke Univ., 1931, fws.	
Kelling, Lucile	Chapel Hill
A.B., Whitman Coll., 1917.	Latin
B.L.S., New York School of Library Science, 1921, fws.	
Kelly, Joseph Wheeler	Raleigh
B.S., N. C. State Coll., 1932.	Zoology
M.S., <i>ibid.</i> , 1934, fws.	
Kimmel, Herbert	Greensboro
A.B., Indiana Univ., 1908.	Education, Psychology
Ph.M., Univ. of Chicago, 1909, s.	
Knight, Samuel Bradley	Asheville
B.S. in Chem., Clemson Coll., 1934, fws.	Chemistry, Bio-Chemistry
Koo, Tsu Yuan	Wusih, China
B.S., Kiangsu Provincial Technical Coll., 1922, fws.	Civil Eng'g., Mechanical Eng'g.
Krahenbuhl, Kathleen Mae	Selma
A.B., Greenville Woman's Coll., 1933, fs.	English
Kyker, Granvil Charles	Sevierville, Tenn.
B.S., Carson-Newman Coll., 1932, fws.	Chemistry, Physics
Lacy, Dan Mabry	Rocky Mount
A.B., 1933, fws.	History, Sociology
Lang, Andrew G.	Dayton, Ohio
A.B., Miami Univ., 1932.	Botany, Chemistry
M.S., Cornell Univ., 1933, f.	
Langston, A. D. Beach	Claremont, California
A.B., The Citadel, 1933, fw.	English

Latham, Dennis Harold	Raleigh
B.S., N. C. State Coll., 1931.	<i>Botany, Zoölogy</i>
M.A., Duke Univ., 1933, fws.	
LeBaron, Philip Mallory	Montevallo, Ala.
B.S., Alabama Polytechnic Institute, 1934, fws.	<i>Geology</i>
Liles, Meta Swain	Tarboro
A.B., North Carolina Coll. for Women, 1930, s.	<i>Education, English</i>
Lockmiller, David Alexander	Monett, Mo.
B.Ph., Emory Univ., 1927.	<i>History, Government</i>
M.A., <i>ibid.</i> , 1928.	
LL.B., <i>ibid.</i> , 1929, fws.	
Loftin, James Carr	Enfield
B.S., Virginia Military Inst., 1928.	<i>Chemistry, Physics</i>
S.M., 1933, fws.	
London, Lawrence Foushee	Pittsboro
A.B., 1931.	<i>History</i>
A.M., 1933, fws.	
McCain, Lurline Hicks	Waxhaw
A.B., Winthrop Coll., 1932, fws.	<i>English</i>
McCampbell, John Caldwell	Morganton
B.S., 1934, fws.	<i>Geology</i>
McCanless, Rosamond	Asheville
A.B., Converse Coll., 1927, fs.	<i>English</i>
McCredie, Mary Ella	North Wilkesboro
B.S., Converse Coll., 1933, f.	<i>Public Administration</i>
McFerrin, John Berry, Jr.	Collierville, Tenn.
B.A., Southwestern Coll., 1932.	<i>Economics, Commerce</i>
A.M., 1933, fws.	
McGeachy, John Alexander, Jr.	Fayetteville
A.B., Davidson Coll., 1934, fws.	<i>History, Latin</i>
McKinney, William Merrimon	Greensboro
S.B. in Civ. Eng'g., 1930, ws.	<i>Civil Eng'g., Mathematics</i>
McKnight, William Albert	Shelby
B.S., Davidson Coll., 1932, fws.	<i>Spanish, French</i>
MacLean, John Allan	Chapel Hill
S.B. in Mech. Eng'g., 1933, fws.	<i>Mechanical Eng'g., Economics</i>
McMullan, Patricia Mary	Washington
Candidate for A.B., 1935, s.	<i>English</i>
McNeir, Waldo Forest	Houston, Texas
B.A., Rice Institute, 1929.	<i>English</i>
A.M., 1932, fws.	
McRae, Edwin Earl	Peachland
S.B. in Comm., 1934, fw.	<i>Economics, Commerce</i>
McReynolds, Gwendolyn Elizabeth	Ogden, Utah
B.A., University of Wyoming, 1927, f.	<i>English, History</i>
Macormac, Alfred Ridner	Greensboro
B.S., Coll. of the City of New York, 1924.	<i>Chemistry, Physics</i>
M.A., Columbia Univ., 1933, fws.	
Mahler, Andrew John	Wilmington
A.B., Wagner Coll., 1925.	<i>English</i>
M.A., Columbia Univ., 1926, fws.	
Mendenhall, Marjorie Stratford	Greensboro
A.B., N. C. Coll. for Women, 1920.	<i>History, Government</i>
A.M., Radcliffe, 1927, fws.	
Mendenhall, Mildred Corinna	Yanceyville
A.B., N. C. Coll. for Women, 1920.	<i>Psychology</i>
M.A., Univ. of Rochester, 1934, fws.	
Milligan, Burton Alvieri	Daytona Beach, Fla.
B.S., Northwestern Univ., 1926.	<i>English</i>
M.A., <i>ibid.</i> , 1930, fws.	

Millsaps, Vera	Statesville
B.S., N. C. Coll. for Women, 1915.	<i>Botany, Zoölogy</i>
S.M., 1924, f.	
Mizell, Myrtle Powell	Fernandino, Fla.
A.B., Hollins Coll., 1934, fws.	<i>Public Administration, Sociology</i>
Moore, Bernice Milburn	Austin, Texas
B.A., Univ. of Texas, 1924.	<i>Sociology</i>
M.A., <i>ibid.</i> , 1932, fws.	
Moore, Harry Estill	Austin, Texas
B.A., Univ. of Texas, 1927.	<i>Sociology</i>
M.A., <i>ibid.</i> , 1932, fws.	
Moore, Maurice Augustus	Union, S. C.
B.S., Univ. of the South, 1923.	<i>English</i>
A.M., 1928, f.	
Moses, Walter Lauren	Durham
A.B., 1929.	<i>English</i>
A.M., 1933, fws.	
Mourane, Maxalynn	High Point
A.B., N. C. Coll. for Women, 1930, fws.	<i>French, Spanish</i>
Murphy, Dennis Lorin	Chapel Hill
B.A., Univ. of Missouri, 1926.	<i>English</i>
M.A., <i>ibid.</i> , 1927, fws.	
Nahikian, Howard Movess	Asheville
A.B., 1933.	<i>Mathematics</i>
A.M., 1934, fws.	
Napier, William Benjamin	Chapel Hill
A.B., 1932, fw.	<i>Zoölogy, Botany</i>
Newell, Olive Elisabeth	Salisbury
A.B., N. C. Coll. for Women, 1931, fws.	<i>English</i>
Nicholes, Postell Mood, Jr.	Charleston, S. C.
B.S., The Citadel, 1934, fws.	<i>Chemistry, Physics</i>
Nichols, Henrietta	St. Petersburg, Fla.
A.B., Ohio State Univ., 1929.	<i>Sociology, Economics</i>
A.M., <i>ibid.</i> , 1931, s.	
Nicholson, James Frank	Blairsville, Ga.
B.S., Carson-Newman Coll., 1933, fws.	<i>Chemistry, Bio-Chemistry</i>
North, Neville Cornelia	Augusta, Ga.
A.B., Goucher Coll., 1932.	<i>English</i>
A.B. in Library Science, 1934, fws.	
Odum, Eugene Pleasants	Chapel Hill
A.B., 1934, fws.	<i>Zoölogy</i>
Old, Bruce Scott	Brooklyn, N. Y.
Candidate for S.B. in Chem. Eng'g., 1935, ws.	<i>Chemistry, Chemical Eng'g.</i>
Page, Auguston Alvin	Edmonton, Ky.
A.B., Western Kentucky State Teachers Coll., 1927.	<i>Education, Psychology</i>
A.M., <i>ibid.</i> , 1934, f.	
Pickler, David Anderson	New London
B.S., Wake Forest Coll., 1933, ws.	<i>Chemistry, Physics</i>
Pittman, Charles Leonard	Chapel Hill
B.A., Furman Univ., 1927.	<i>English</i>
A.M., 1932, fw.	
Pittman, John Jay	Rocky Mount
S.B. in Chem. Eng'g., 1934, f.	<i>Chemistry, Commerce</i>
Pope, Cecile Hammond	Chapel Hill
A.B. in Educ., Univ. of Georgia, 1932.	<i>History, Sociology</i>
A.M., <i>ibid.</i> , 1933, f.	
Popper, Estelle	New York, N. Y.
A.B., Hunter Coll., 1934, fws.	<i>History, Government</i>
Powell, Elmer Cromwell, Jr.	Henderson
S.B. in Chem., 1933, fws.	<i>Chemistry, Bio-Chemistry</i>
Prettyman, Virginia Fleming	Summerville, S. C.
A.B., Agnes Scott Coll., 1934, fw.	<i>English</i>

Proctor, Robert Huntington, Jr.	Hollis, L. I., N. Y.
A.B., 1931, ws.	<i>English</i>
Raper, John Robert	Welcome
A.B., 1933, fws.	<i>Botany, Zoölogy</i>
Rankin, Mary Delia	Mt. Holly
A.B., N. C. Coll. for Women, 1931, f.	<i>Public Administration</i>
Reid, Dixie Lewis	Rutherfordton
A.B., N. C. Coll. for Women, 1921.	<i>French, Spanish</i>
A.M., George Peabody College, 1925, fs.	
Rethlingshafer, Dorothy	Lenoir
B.S., Miami Univ., 1920.	<i>Psychology</i>
M.A., Univ. of Chicago, 1924, fws.	
Rice, Ruby Rema	Knoxville, Tenn.
B.A., Univ. of Tennessee, 1932.	<i>Botany, Zoölogy</i>
M.S., <i>ibid.</i> , 1934, fws.	
Rice, Janie Carroll	Rock Hill, S. C.
A.B., Winthrop Coll., 1903, s.	<i>Education</i>
Richmond, Stanley Edwin	Lynn, Mass.
B.Mus., Boston Univ., 1932, f.	<i>Psychology</i>
Ridenhour, William Layton	Hickory
Candidate for S. B. in Elec. Eng'g., 1935, w.	<i>Elec. Eng'g., Commerce</i>
Roth, H. Dale	St. Petersburg, Fla.
S.B. in Pharmacy, Univ. of Florida, 1934, fws.	<i>Pharmacy, Chemistry</i>
Schiffman, Ruth Yeomans	Greensboro
A.B., Boston Univ., 1927, fws.	<i>Sociology, Psychology</i>
Sharpe, Avon F.	Beulaville
A.B. in Educ., 1929, w.	<i>Public Administration, Sociology</i>
Shivers, Lyda Gordon	Poplarville, Miss.
B.A., Univ. of Mississippi, 1928.	<i>Sociology, Public Administration</i>
M.A., <i>ibid.</i> , 1930, s.	
Shockley, Martin Staples	Durham
A.B., Univ. of Richmond, 1928.	<i>English</i>
M.A., Duke Univ., 1932, fws.	
Simmons, Norwood Lee	Chapel Hill
S.B. in Chem., 1933.	<i>Chemistry, Physics</i>
M.S., California Inst. of Technology, 1934, fws.	
Sink, Woodford Grady	Lexington
A.B., Catawba Coll., 1934, fws.	<i>Chemistry, Physics</i>
Smith, Hugh Preston	Wake Forest
A.B., Wake Forest Coll., 1920.	<i>Education, Sociology</i>
M.A., Duke Univ., 1926, fws.	
Smith, James Wickliffe	Fayetteville
A.B., 1934, fs.	<i>Geology</i>
Smith, Margaret Harrison	Newport News
A.B., Randolph-Macon Woman's Coll., 1929, s.	<i>Education, Chemistry</i>
Smith, William Lamont	Spencer
A.B., Catawba College, 1933, fws.	<i>Physics, Mathematics</i>
Smith, Wilburn Philip	Chipley, Ga.
A.B., Univ. of Georgia, 1920.	<i>Spanish, French</i>
M.A., Emory Univ., 1923, s.	
Spelt, David Kirby	Philadelphia, Pa.
A.B., Haverford Coll., 1930, fws.	<i>Psychology</i>
Spenser, Margaret Brown	High Point
A.B., N. C. Coll. for Women, 1934, fws.	<i>English</i>
Spivey, Herman Everette	Chapel Hill
A.B., 1928.	<i>English</i>
A.M., 1929, fws.	
Stabler, Lewis Bellinger	Charleston, S. C.
A.B., Wofford Coll., 1917.	<i>French, Spanish</i>
A.M., 1926, s.	

Steele, Paul James	Chapel Hill
B.S., Davidson Coll., 1924.	<i>Physics, Mathematics</i>
S.M., 1929, fws.	
Steely, Mercedes	Augusta, Ga.
A.B., Duke University, 1933, fs.	<i>English</i>
Stone, Olive Matthews	Montgomery, Ala.
A.B., Woman's Coll. of Alabama, 1918.	<i>Sociology</i>
M.A., Univ. of Chicago, 1929, ws.	
Stone, Thelma	Chapel Hill
A.B., Queens-Chicora Coll., 1929, f.	<i>French, Comparative Literature</i>
Straley, Harrison Wilson, III	Chapel Hill
B.A., Concord State Teachers Coll., 1925, s.	<i>Geology</i>
Sulkin, George Richard	Chapel Hill
A.B., 1931.	<i>French, Spanish</i>
A.M., 1932, fw.	
Suskin, Albert Irving	New Bern
A.B. in Educ., 1931.	<i>Latin</i>
A.M., 1932, fws.	
Svendsen, James Kester	Charleston, S. C.
A.B., College of Charleston, 1934, fws.	<i>English</i>
Taylor, Cecil Grady	Williamston
A.B. in Educ., 1929.	<i>French, Spanish</i>
A.M., 1930, fws.	
Taylor, Harriet	Port Washington, N. Y.
A.B., Wellesley Coll., 1933, fws.	<i>Zoology, Botany</i>
Thomas, Laura Corbett	Winston-Salem
B.S., Salem Coll., 1927, fws.	<i>Chemistry, Bio-Chemistry</i>
Thomason, Oliver Bruce	Cooleemee
A.B., Catawba Coll., 1934, fws.	<i>Sociology, Public Administration</i>
Tisdale, Dorothy Hope	Mobile, Ala.
B.A., Barnard Coll., 1925, ws.	<i>Sociology</i>
Torian, John Potter	Indianapolis, Ind.
A.B., Univ. of the South, 1933.	<i>Mathematics</i>
A.M., 1934, fws.	
Trawick, Jessie	Linton, Ga.
B.S. in Chem., Georgia State Coll. for Women, 1924.	<i>Chemistry, Geology</i>
M.S., Emory Univ., 1932, w.	
Upton, Edwin Carleton	Annandale-on-Hudson, N. Y.
B.S., Univ. of Maine, 1897.	<i>English</i>
Vitz, Howard Engeler	Toledo, Ohio
Candidate for S.B. in Geol., 1935, s.	<i>Geology</i>
Wall, Bennett Harrison	Knightdale
B.A., Wake Forest Coll., 1933, fws.	<i>History, Government</i>
Watson, Elliott Owen	Greensboro
A.B., Wofford Coll., 1918.	<i>History, Government</i>
A.M., <i>ibid.</i> , 1918, s.	
Way, Katharine	Southern Pines
B.S., Columbia Univ., 1932, fws.	<i>Physics, Botany</i>
Watters, Lillias Agnes	Haynesville, La.
A.B., Ouachita Coll., 1921.	<i>History, Government</i>
M.A., Baylor Univ., 1934, ws.	
Weatherford, Ralph Duncan	Winston-Salem
B.S., Univ. of Chattanooga, 1925.	<i>Physics, Mathematics</i>
S.M., 1933, fs.	
Weaver, William Rowe	Hickory
A.B., Davidson Coll., 1929.	<i>Spanish, French</i>
A.M., 1934, fws.	
Webb, Mary Smarr	Baton Rouge, La.
B.A., Louisiana State Univ., 1933, fw.	<i>English</i>
Webster, James William	Leaksville
A.B. in Educ., 1930, s.	<i>History, Education</i>

Weinberg, Arthur Howard	Newark, N. J.
A.B., 1934, fws.	<i>Chemistry, Psychology</i>
Welch, Samuel Williamson John	Chapel Hill
S.B., Mass. Inst. of Technology, 1926, fws.	<i>Psychology</i>
Wells, Edna Metz	Raleigh
B.S., Kansas State Agric. Coll., 1917, fw.	<i>Botany, Zoölogy</i>
Whitbeck, Beulah Elizabeth	Mayodan
A.B., Woman's College, U. N. C., 1934, fws.	<i>Sociology, Economics</i>
White, James Wilson	Graham
B.S., Davidson Coll., 1934, fws.	<i>Physics, Mathematics</i>
White, Priscilla Henryanna	Guilford College
B.S., Guilford Coll., 1934, fws.	<i>Chemistry, Bio-Chemistry</i>
Wickens, Delos Donald	Rochester, N. Y.
A.B., Centre Coll., 1931.	<i>Psychology</i>
A.M., 1933, fws.	
Wilday, Wynant Temple	Elizabeth, N. J.
Candidate for S.B. in Geol., 1935, s.	<i>Geology</i>
Wilder, Francis Sidney	Keene, N. H.
A.B., Dartmouth Coll., 1925.	<i>Economics, Sociology</i>
A.M., 1926, fws.	
Wilkerson, Mary Josephine	Raleigh
A.B., Duke Univ., 1931, f.	<i>Public Administration, Sociology</i>
Williams, Alton	Fresno, California
A.B., Fresno State Teachers Coll., 1930, fws.	<i>English</i>
Williams, Arnold Ledgerwood	Chapel Hill
A.B., Univ. of Notre Dame, 1929.	<i>English</i>
A.M., 1930, s.	
Williams, Charles Curtis	Milford, Del.
A.B., Univ. of Delaware, 1934, fws.	<i>Mathematics, Physics</i>
Williams, Erman Ridgeway	Wilson
A.B., Atlantic Christian Coll., 1933, f.	<i>Chemistry, Bio-Chemistry</i>
Williams, Lyle Lyndon	East Bend
B.S., Guilford Coll., 1922.	<i>Zoölogy, Botany</i>
A.M. (Educ.), 1926.	
A.M., (Zööl.), 1931, fws.	
Williams, Milton Howard	Chapel Hill
A.B., Ohio Wesleyan Univ., 1931.	<i>Psychology, Philosophy</i>
A.M., 1932, fw.	
Williams, Robin Murphy	Hillsboro
B.S., N. C. State Coll., 1933, ws.	<i>Rural Social-Economics</i>
Williams, William Waldo	Chapel Hill
B.S., Guilford Coll., 1928.	<i>Chemistry, Physics</i>
S.M., 1930, fws.	
Wilson, Hilliard Baxley	Lenoir
S.B. in Pub. Admin., 1934, fws.	<i>Public Administration</i>
Winkler, Edwin Weems	Chapel Hill
S.B. in Elec. Eng'g., 1928, s.	<i>Elec. Eng'g., Mechanical Eng'g.</i>
Winslow, Rex Shelton	Chapel Hill
A.B., Simpson Coll., 1923.	<i>Economics, Commerce</i>
M.A., Univ. of Illinois, 1929, f.	
Wishart, James Hunt	Wooster, Ohio
B.A., Coll. of Wooster, 1929.	<i>English</i>
M.A., Princeton Univ., 1932, fws.	
Wladowsky, Edith	New York, N. Y.
A.B., New York Univ., 1932, ws.	
Womble, Joseph Guye	Albemarle
B.S., Davidson Coll., 1933, f.	<i>Sociology</i>
Woodward, Comer Vann	Atlanta, Ga.
B.Ph., Emory Univ., 1930.	<i>History, Government</i>
M.A., Columbia Univ., 1932, fws.	

Woodworth, Robert Newton.....	Chapel Hill
A.B., 1934, fws.	<i>Sociology, History</i>
Workman, John Hiliary Andrew.....	Cherryville
A.B., 1913.	<i>Education</i>
A.M., 1932, s.	
Wynne, Lilian Nunn.....	Durham
B.S. in Educ., Farmville State Teachers Coll., 1925.	<i>Public Administration</i>
M.Ed., Duke University, 1929, f.	
Yancey, Virginia Flemming.....	Marion
S.B. in Comm., 1934, f.	<i>Economics, Commerce</i>
Yapar, Nihat Ferit.....	Izmir, Turkey
B.S., International College, Izmir, Turkey, 1934, fws.	<i>Economics</i>

Undergraduate and Professional Students

Abbreviations are used to indicate the curriculum followed by each student as follows: A, Liberal Arts; A.S., Applied Science; C, Commerce; E.E., Electrical Engineering; C.E., Civil Engineering; Ch.E., Chemical Engineering; M.E., Mechanical Engineering; Med., Medicine; Ph., Pharmacy; Law, Law; P.A., Public Administration; L.S., Library Science; P.H.A., Public Health Administration; Grad., Graduate; Spec., Special Work.

The figure following the curriculum approximates the academic rank of the student. The small letters following the numeral indicate the quarters in which the student was in residence during the session, f meaning fall quarter, w meaning winter quarter, and s meaning spring quarter.

Unless otherwise specified a degree shown was awarded by the University of North Carolina at Chapel Hill.

Aaron, Jules Bryon, A. 4, fw	Brooklyn, N. Y.
Abels, Byron Clifford, C. 2, fws	High Point
Aberly, William Franklin, C. 1, fws	New Bern
Abernethy, Charles H., A. 1, fw	Hickory
Abernethy, Frank Pierce, C. 4, fws	Greensboro
Abernethy, Olivia, A. 4, fws	Elkin
Abernethy, William LaFayette, C. 4, fws	Hickory
Acker, Harold McClellan, A. 1, fws	Geneseo, N. Y.
Adams, Charles Howard, A. 1, f	Angier
Adams, Joel Barber, Law 3, fs	Asheville
A.B., 1933	
Adams, Roy Graham, Ph. 1, fws	Hamlet
Adams, Thomas Richard, A. 3, f	Jonesboro
Adelman, Norman, A. S. 2, fws	New London, Conn.
Aderholdt, Marcus Lafayette, Jr., A. 2, fws	Lexington
Aghassi, Mohammad Ali, A. spec., s	Khoy, Persia
Aiken, Charles Hunter, C. 3, s	Asheville
Aitken, Stuart Cruickshank, C. 4, fws	Charlotte
Albee, Walter Mahon, A. 3, f	Brooklyn, N. Y.
Albright, Robert Mayne, Law 2, fs	Raleigh
A.B., 1931; A.M., 1934	
Albright, William Madison, C. 1, fws	Greensboro
Alexander, Eben, Jr., A. 4, fws	Knoxville, Tenn.
Alexander, Frank Spruill, A. spec., fws	Charlotte
Alfson, Howard Alvin, A. 1, fws	Brooklyn, N. Y.
Alderman, Herbert Edward, C. 2, f; A. 2, ws	New Haven, Conn.
Alexander, Hugh Quincy, Law 2, fs	Kannapolis
Allen, Anderson David, C. 1, fws	Charlotte
Allen, Charles Bonner, Law 3, fs	Wadesboro
A.B., 1932, Duke University	
Allen, George Gilderoy, Jr., C. 2, fws	Kannapolis
Allen, Ernest Marvin, C. 2, fws	Wilmington
Allen, Jerry Harry, Jr., A. 1, fws.	Reidsville
Allen, John Watson, A. S. 2, fws	Matthews
Allen, Ross Guerard, A. 2, fs	Savannah, Ga.
Allen, William Paul, C. 3, fws	Raleigh
Allison, Henry Johnston, Jr., Ch. E. 3, fws	Charlotte
Allsbrook, Raleigh Herbert, A. 3, fws	Baltimore, Md.

Ambrose, Clyde Milton, A. 2, fw	Elizabeth City
Ames, Thomas Rice, A. 1, fws	Wilmington
Amoscatò, Anthony Sam, A. 1, fws	Newark, N. J.
Anderson, Arthur Ernest, A. 1, f; A. S. 1, ws	Wilmington
Anderson, Carl Walter, A. 1, ws	New Haven, Conn.
Anderson, Esley Offit, Jr., C. 4, fws	Charlotte
Anderson, Fred, C. 2, fws	Charlotte
Anderson, Francis Irving, Law 2, fs	Leaksville
A.B., 1933	
Anderson, George Andrew, A. 2, fws	Yanceyville
Anderson, James Nathan, A. 2, ws	Reidsville
Anderson, Laurens Van Hook, A. 4, fws	Durham
Anderson, William Hinton, A. 3, fws	Raleigh
Andrews, Alex Boyd, Jr., Law 1, fs	Raleigh
A.B., 1934	
Andrews, Charles Harold, Jr., A. 1, fws	Montclair, N. J.
Andrews, Graham Harris, Jr., A. 1, fws	Raleigh
Andrews, Raymond Lloyd, C. 1, fws	Carrboro
Andrews, William Clayton, C. 1, fws	Greenville
Angline, Robert Alden, A. 1, fws	Asheville
Apple, Troy Arthur, C. 1, fw	Winston-Salem
Armbruster, Mary Elizabeth, A. 4, fws	Raleigh
Armfield, George Williard, A. 2, fws	High Point
Armfield, John Sterling, A. 3, fws	Fayetteville
Armfield, Walter Frank, C. 4, fws	High Point
Armour, Ervin Shelton, M. E. 1, f	Statesville
Arrington, Archibald Hunter, Jr., C. 1, fws	Raleigh
Ashe, Jean Jennings, A. spec., fs	Pittsfield, Mass.
Ashley, Frank Watts, A. 4, fws	Gastonia
Askew, David Etheldred, Ch. E. 2, fws	Snow Hill
Atkins, Ben Sloan, A. 2, fws	Waynesville
Atkins, Joe Jack, A. 1, fws	Waynesville
Atkinson, Calder, M. E. 3, ws	Wilmington
Attmore, Taylor Bynum, M. E. 2, f; C. 2, ws	Washington
Atwood, Carroll Jack, A. 1, fws	Madison, Wis.
Auman, Jason Gregor, A. 4, fws	West End
Austin, Elizabeth, A. 3, ws	Winston-Salem
Austin, Edmund James, E. E. 1, fws	Southern Pines
Austin, Frederick DaCosta, Jr., Med. 2, fws	Charlotte
B.S., 1933, The Citadel	
Austin, James Hinton, C. 3, fws	Raeford
Austin, James Wilson, Jr., A. 2, f	Waxhaw
Austin, Parks Neill, C. 3, fws	Charlotte
Avery, Isaac Thomas, A. 1, fws	Morganton
Ax, George Maurity, A. 1, fw	Braddock, Penna.
Aydlett, Sanford Purris, Ph. 1, fws	Elizabeth City
Ayscue, Elizabeth Martha, L. S. 1, fws	Buie's Creek
A.B., 1931, Meredith Coll.	

Baden, James Henry, Jr., A. 1, fws	Washington, D. C.
Bagwell, Eugene Cleveland, Jr., Law 1, fs	Raleigh
Bahnson, Agnew Hunter, Jr., A. 4, fws	Winston-Salem
Bahnson, Fred Fries, Jr., A. 4, fws	Winston-Salem
Bailey, Abbott Kenyon, A. S. 1, fws	Elizabeth City
Bailey, John Isaac, E. E. 1, fws	Rock Hill, S. C.
Bailey, Lovelyne James, P. A. spec., w	Danville, Va.
Baird, Harry Haynes, Med. 1, fws	Mars Hill
Baker, Anna Taylor, A. 3, fws	Dayton, Ohio
Baker, John Harris, C. 1, fws	New York, N. Y.
Baker, Raleigh Walter, C. 3, fws	Mocksville
Baker, Robert Weathersbee, Jr., A. 1, fws	Greensboro
Baker, Walter Louis, Jr., A. 3, fws	Gastonia
Balis, Samuel Benjamin, Med. 1, fws	Newark, N. J.
A.B., 1934	
Ballard, Arthur Stamey, Jr., A. 2, fws	Nashville
Ballard, Claude Houston, Jr., A. S. 4, fws	Kinston
Ballinger, Philip Fazio, A. 1, fws	Savannah, Ga.
Ballou, Donald Clark, C. 1, fws	Owego, N. Y.
Bannon, Barney Derwin, C. 1, fws	Portsmouth, Ohio
Barclay, George Thomas, C. 4, fw	Natrona, Penna.
Barbano, Dominick Robert, C. 4, fw	Oneida, N. Y.
Barbee, George Sprite, Jr., A. S. 1, fws	Zebulon
Barber, Clyde Gustavus, C. 3, fws	Winston-Salem
Barber, John Frank, A. S. 2, fws	Asheville
Barber, Ernestine Ray, Ph. 1, fws	Goldston
Bardin, Robert Malcolm, P. H. A., spec., f	Durham
A.B., 1922; M.D., 1929, Tulane Univ.	
Barefoot, John Roscoe, Law spec., fs	Benson
Barefoot, Sherwood Washington, Med. 1, fws	Battleboro
Barfield, William Claude, C. 4, fws	Seven Springs
Barfield, Warren Kilgo, C. 1, f	Seven Springs
Barham, Berlin Francis, A. S. 4, fws	Leaksville
Barham, Travis Portergraves, C. 1, f	Madison
Barker, Evelyn Cochrane, A. S. 1, fws	Burlington
Barker, Francis King, C. 3, fws	Leaksville
Barker, Pauline Eleanor, A. 3, fws	Sebring, Fla.
Barksdale, Walter Lane, A. 3, fws	Greensboro
Barlow, Hester Hunt, A. 3, fws	Cairo, Egypt
Barmettler, Paul Joseph, A. S. 3, fws	Chapel Hill
Barnes, Ben Cooke, Med. 1, fws	Asheville
A.B., 1934, Davidson Coll.	
Barnes, Bennett Harper, Law 3, s	Chapel Hill
A.B., 1932	
Barnes, Robert Maurice, A. S. 3, f; A. 3, ws	Lucama
Barnes, Vanclain Winston, A. 1, fws	Lillington
Barnett, Joseph Yoch, A. 3, fws	Loguna Beach, Calif.

- Barney, John Ervin, A. 3, fws
 Barnhill, Maurice Victor, Jr., Law 2, fs
 Barnwell, Grady Glenn, A. 3, fws
 Barnwell, Paul Kermet, A. 2, fws
 Baroff, Natalie Joan, A. 1, fws
 Barrett, George Warren, A. 2, fws
 Barrett, John Alfred, A. 4, f; Grad., s
 Barrett, Joseph Robert, A. 2, fws
 Barrier, Henri Smith, Jr., A. 2, fw
 Barron, Raymond Lindsay, C. 3, fws
 Bartelman, Ray Charles, C. 1, fws
 Bartlett, Kenneth Eugene, A. spec., fws
 Bartos, Henry, A. 1, fws
 Barwick, Eugene Thomas, A. 3, f; C. 3, ws
 Barwick, William Allen, A. 3, fws
 Bass, Hubert Leonidas, C. 3, fws
 Bass, Thomas Edward, C. 1, fws
 Bateman, Joseph Charles, C. 1, fws
 Bateman, Walter Carstaphen, C. 4, fws
 Bateman, Walter Robert, Ch. E. 4, fws
 Battle, Ivan Procter, Jr., A. S. 1, fws
 Baumstone, Harold, A. S. spec., fws
 A.B., 1932
 Baxley, Raiford Douglas, A. S. 2, fws
 Bayley, Elden, Jr., M. E. 3, fw
 Bayroff, Frieda, A. 2, fws
 Bayroff, Rosalie, A. 1, fws
 Beacham, Hazel May, A. 3, fws
 Beaman, John William, Law 3, fs
 Bear, Richard Davis, Ch. E. 3, fws
 Bear, Samuel Nathan, C. 1, ws
 Beard, John Grover, Jr., A. 2, fws
 Beasley, Hugh Bennett, A. S. 1, fws
 Beck, Joseph Raymond, P. H. A. spec., w
 Becker, Donald, A. 3, fws
 Becker, Marvin Lester, A. 1, fws
 Beckwith, James Payne, A. S. 4, fw; A. 4, s
 Beebe, Arthur Roys, Jr., A. 1, fws
 Beebe, Howard Ward, C. 4, fw
 Bell, Charles Thompson, C. 3, fs
 Bell, Malcolm, Jr., C. 4, f; A. 4, ws
 Bell, Sammie Ruth, A. 3, fws
 Bell, Thomas Reynolds, A. 3, w
 Bellamy, William Clark, C. 4, fws
 Benbow, Lyle Johnston, A. 3, fws
 Bender, Annis Harding, A. 2, fws
 Greensboro
 Rocky Mount
 Edneyville
 Edneyville
 Bayonne, N. J.
 Ponce, Puerto Rico
 Ponce, Puerto Rico
 Elizabeth City
 Concord
 Charlotte
 Glencoe, Ill.
 Modesto, Calif.
 Vandergrift, Penna.
 Laurinburg
 Raleigh
 Lucama
 New Bern
 Columbia
 Asheville
 Rockingham
 Rocky Mount
 New York City, N. Y.
 Wagram
 Springfield, Ohio
 Bayonne, N. J.
 Bayonne, N. J.
 Hamlet
 New Bern
 Rutledge, Penna.
 Wilmington
 Chapel Hill
 Four Oaks
 Dover, Delaware
 Summit, N. J.
 Elizabeth, N. J.
 Roanoke Rapids
 New Haven, Conn.
 Brooklyn, N. Y.
 Durham
 Savannah, Ga.
 New Albany, Miss.
 Rockingham
 Wilmington
 Winston-Salem
 Pollokville

Bennett, Clifton Clement, Law 1, fs A.B., 1934	Wadesboro
Bennett, David, A. 2, ws	Asheville
Bennett, Harold Kimsey, Law 1, fs	Asheville
Bennett, Mary Alice, Ph. 4, fws	Bryson City
Bennett, Thomas Sheffield, A. S. 4, w.	Wadesboro
Benton, Charles Collins, Jr., A. S. 1, fws	Wilson
Benton, Morris Carey, Jr., C. 1, fws	Parkersburg
Berg, Randall Challen, M. E. 1, fws	Jacksonville, Fla.
Berger, Julius, A. 2, fws	Wilmington
Berini, Louis, C. 1, fws	Durham
Berman, Robert Alvin, A. 3, fws	Jamaica, N. Y.
Berry, Edward Thomas, III, A. S. 3, fw	New Bern
Bershak, Andrew A., A. 1, fws	Clairton, Penna.
Best, Glenn Eben, Med. 2, fws	Chapel Hill
Best, John McClanies, C. 2, s	Shelby
Best, Paul Wesley, Ch. E. 2, f; A. 2, ws	Goldsboro
Betjeman, John Augustus, Ci. E. 1, f; A. 1, ws	Columbus, Ga.
Betts, George Elmer, Jr., M. E. 2, fws	Fayetteville
Betts, Willard Furman, Jr., A. 4, fws	Raleigh
Beverly, Jasper Thompson, A. 3, w	Laurinburg
Biberman, David, A. 2, fws	New York, N. Y.
Biggs, Montgomery Herman, Jr., Ch. E. 3, fws	Rutherfordton
Binder, William VanLandingham, Ch. E. 3, fws	Charlotte
Bingham, James Pearl, Jr., A. 2, fws	Lexington
Bitting, Numa Duncan, Jr., A. S. 1, fw; C. 1, s	Durham
Blackburn, Mary Ida, L. S. 1, fws A.B., 1934, Atlantic Christian Coll.	Wilson
Blackburn, Woodrow Wilson, C. 1, f	Warsaw
Blackmore, William Cortez, Jr., C. 1, fws	Warsaw
Blackwelder, Bonnie Bascom, Jr., Law 2, fs	Hickory
Blackwell, Crist Watts, C. 1, fws	Winston-Salem
Blaine, Doyle Wilson, C. 3, fws	Franklin
Blalock, Alvin Coleman, Jr., C. 1, fws	Warrenton
Blalock, Harold, A. 3, fws	Burlington
Blanchard, Charles Randolph, Jr., A. 1, fws	Pittsfield, Mass.
Blanton, Beatty Scott, Jr., C. 4, fws	Charlotte
Blanton, George, Jr., C. 4, fws	Shelby
Blood, Ernest Benjamin, C. 4, fws	Passaic, N. J.
Bloom, Abe, Ci. E. 1, fws	Newark, N. J.
Bloom, James Harold, C. 1, fws	Bridgeport, Conn.
Blount, Maron Orlando, II, A. 2, fws	Greenville
Blount, Robert Fernando, C. 3, fws	Pensacola, Fla.
Blow, Henry Stuart, A. 2, fws	Edenton
Blue, James Franklin, Jr., A. 2, fws	Parkton
Bluestone, Henry Robert, A. S. 1, fws	Roxbury, Mass.
Bluethenthal, Herbert, Jr., E. E. 1, fws	Wilmington

Blum, John Albert, A. 1, fws	Maplewood, N. J.
Blythe, Franklin Jackson, Jr., Ci. E. 1, fw; C. 1, s	Charlotte
Bly, Paul, A. S. 4, fws	New York, N. Y.
Bobbitt, Julian Daniel, C. 2, fws	Rocky Mount
Bobroff, Solomon Arthur, Ph. 1, fws	Far Rockaway, N. Y.
Boddie, William Willis, Jr., A. 2, f	Charleston, S. C.
Bodenheimer, Edward Charles, C. 3, fws	Parkton
Bolton, Robert Lewis, Jr., A. 4, fws	Colerain
Bond, Jacob Waldo, A. 2, fws	Winchester, Mass.
Bond, Niles Woodbridge, A. 2, fws	Lexington, Mass.
Bonds, Hope Edward, Jr., Ch. E. 1, fws	Concord
Boney, Harvey James, A. 3, fws	Rose Hill
Bonner, Allan Baker, A. S. 2, fws	Kinston
Booker, Nell Battle, A. 1, fws	Chapel Hill
Boone, Howard Alexander, C. 1, fws	Greensboro
Boone, James Frederick, C. 2, fws	Columbia, S. C.
Boone, William Jack, A. 3, fws	Chapel Hill
Booth, William Robert, Law 2, fs	Polloksville
A.B., 1930, Duke	
Borders, Hessentine, P. A. 4, fws	Shelby
Boren, William Clem, C. 1, f	Greensboro
Borum, Olin Henry, A. S. 1, fws	Greensboro
Bosch, John Frederick, C. 2, fws	Charleston, S. C.
Bost, John Shipman, C. 3, fws	Raleigh
Bost, William Thomas, Jr., A. 4, fws	Raleigh
Bostick, Welch McNair, C. 2, f	Raleigh
Bowen, Dorothy Elaine, A. 4, fws	High Point
Bowen, Francis Lennon, A. S. 3, fws	Lumberton
Bowen, Jack Calhoun, C. 2, fws	Lexington
Bowles, John, A. 2, fws	Monroe
Bowne, Frank Samuel, M. E. 2, fws	Hendersonville
Boyette, Norment Glenn, C. 1, fws	Smithfield
Boyette, Staton Edward, C. 4, f	Smithfield
Boyle, Bryson Irvin, Law 2, fs	Charlotte
A.B., 1934	
Brabson, John Anderson, A. 4, fws	Greenville, Tenn.
Bracy, William, A. 3, fws	Rich Square
Bradley, S. B., A. 1, fws	Scotland Neck
Bradsher, Ellen Merritt, A. spec. f	Roxboro
Bragg, Jack Melvin, A. S. 1, fws	Littleton
Brame, Philip Augustus, Ph. 3, fws	North Wilkesboro
Brame, Robert Lee, Jr., A. 1, fws	Durham
Brandon, Mamie Alline, A. 4, fws	Yadkinville
Brandon, Virginia Kathryn, P. A. spec., f	Roxboro
Brandt, Richard Harold, C. 1, fw	Spencer
Branning, William Sterry, A. spec., fws	Miami, Fla.
A.B., 1934	

Brantley, James Otis, C. 4, fw	Sanford
Brantley, Louis David, E. E. 1, f	Raleigh
Brantley, Edgar Clayton, Jr., A. S. 2, fws	Danville, Va.
Braswell, Hiram Eugene, Jr., A. S. 2, fs	McFarlan
Brawley, Boyden, A. S. 2, fws	Salisbury
Braxton, Joseph Council, A. 1, fws	Goldsboro
Brazen, Louis, C. 1, fws	Bridgeport, Conn.
Breazeale, Francis Beall, A. 4, fws	Hendersonville
Breckenridge, Arnold, A. 2, fws	Chapel Hill
Brett, Vernon Proctor, A. 1, fws	Winton
Bricklemeyer, Eugene Costle, A. 1, fws	Doylestown, Penna.
Bridgers, Henry Clark, Jr., A. 4, fws	Tarboro
Bridgers, James Kelly, E. E. spec., fw	Nashville
Brietz, Edwin Raymond, Jr., A. 3, fws	Winston-Salem
Briggs, John Gurney, A. 3, fs	High Point
Brinson, John Rockfeller, C. 1, fws	Scranon
Britt, Edward Knox, C. 3, fws	Mt. Airy
Britt, Martin Luther, Jr., Ch. E. 3, fws	Elizabeth City
Britt, Walter Thomson, Law 1, fs	Turkey
Broadhurst, Edgar David, Law 1, fs	Greensboro
Broadhurst, Edward Marquette, Ci. E. 2, fws	Mount Olive
Broadway, Virginia Daniels,	Tarboro
Grad., spec., f; A. spec., w	
A.B., 1933, Limestone Coll.	
Bready, Harold, A. S. 2, fws	Lowell, Mass.
Brodie, Edmund, A. S. 1, fws	Henderson
Brogden, Willis James, Jr., A. 1, fws	Durham
Bronitsky, Irving, E. E. 1, f; C. 1, ws	New London, Conn.
Brooks, Clyde Alston, Ph. 1, fw	Siler City
Brooks, Elijah Fitzgerald, Jr., A. 4, fws	Unionville
Brooks, Julian Allen, E. E. 3, fws	Peachland
Brooks, Luther Eugene, Jr., C. 3, fws	Tarboro
Brooks, Thomas Henry, Jr., C. 4, fws	Huntington, W. Va.
Brookshire, Harley Gaskill, Jr., A. S. 3, fws	Asheville
Brous, Richard, C. 1, f	Lawrence, N. Y.
Browder, Robert Milton, Jr., C. 1, ws	Warsaw
Brown, Battle, M. E. 1, fws	Chapel Hill
Brown, Charlie Robert, A. 3, f	Pittsboro
Brown, Claude Walter, C. 2, fws	Charlotte
Brown, Francis Sterling, A. S. 1, fws	Drexel Hill, Penna.
Brown, James Arthur, A. S. 1, fws	Wilmington
Brown, Joseph Lee, A. 3, fws	New York, N. Y.
Brown, Justin Lucius, Ci. E. 2, f	Hillsboro
Brown, Louis A., A. 4, fws	Statesville
Brown, Percy, Jr., A. 3, w	Charlottesville, Va.
Brown, Ray Everett, C. 2, fws	Shelby
Brown, Sutherland Mathewson, C. 1, fws	Charlotte

Brown, Timothy Dwight A. 1, fws	Washington, D. C.
Brown, Walter Earl, Med. 1, fws A.B., 1934	Wilson
Brown, Walter Franklin, C. 2, s	Charlotte
Bruce, Thomas Milton, Ph. 1, fws	Hot Springs
Bruce, Luther Columbus, Jr., A. 4, fws	Winston-Salem
Brummitt, Kate Fleming, A. spec., s	Oxford
Brunson, William Ellsworth, C. 2, fws	Monroe
Bruton, James Asa, A. 2, fws	West End
Bryan, Dan B., Jr., Law 2, fs A.B., 1933, Wake Forest Coll.	Wake Forest
Bryan, John Lindsay, C. 2, fws	Lillington
Bryant, Henry Perry, A. 3, fws	Pineville
Buchanan, Ernest Chadwell, Ph. 3, fws	Union Mills
Buccolo, Anthony Charles, C. 1, fws	Jersey City, N. J.
Buck, Kathrine, A. 3, fw	Bald Mountain
Buck, Paul Ernest, C. 3, fws	Bald Mountain
Buck, Richard Dale, A. S. 2, fws	Brackenridge, Penna.
Buckles, Isabelle Elizabeth, A. 4, fws	Chapel Hill
Buckles, Virginia Elizabeth, A. 4, fws	Chapel Hill
Budz, Edward Robert, A. S. 2, fw	Housatonic, Mass.
Buffey, Walter, A. S. 2, fws	Elizabeth, N. J.
Buhman, Francis Allen, A. S. 3, fws	Fayetteville
Bulla, Thomas Fletcher, C. 1, fws	Asheboro
Bullard, Edgar William, C. 2, fws	Gastonia
Bullard, Rupert Edison, Ph. 2, fws	Roseboro
Bullock, Blanche Jarvis, Ph. 1, fws	Autryville
Bullock, James Hope, A. 2, fws	Henderson
Bullock, Walter Richard, C. 3, f	Red Springs
Bundy, Vivian Mayo, A. 4, fws	Falcon
Bunn, James Phillip, Jr., A. 3, ws	Rocky Mount
Bunn, Richard Speight, Ph. 4, fws	Battleboro
Bunting, Van Asmus, A. 1, f	Lake Bluff, Ill.
Burch, Mary Frances, A. 1, fws	Chapel Hill
Burgin, Ralph LeRoy, II, A. 3, ws	Winston-Salem
Burke, James Marion, C. 2, f	Mt. Airy
Burkhead, Franklin, C. 1, fws	Asheboro
Burleson, James Gillam, C. 1, fws	Morganton
Burnette, Thomas D., A. 1, fws	Tarboro
Burnette, Walter Scott, C. 2, f	Whitakers
Burton, Joseph Max, C. 2, fw	Spencer
Bush, Jean, Ph. 1, fws	Chapel Hill
Bush, June, Ph. 1, fws	Chapel Hill
Bush, Robert Edwin, A. 3, fws	Greensboro
Busick, John Oscar, II, A. S. 3, fws	Madison
Butler, George Oliver, A. 3, fws	Roseboro
Butler, John Frederic, A. 4, fw	Washington

Byerly, Frederick Lee, Med. 1, fws B.S., 1934	Cooleemee
Byerly, James Edwin, A. 2, fws	Lexington
Bynum, Edward Turner, C. 1, fws	Goldsboro
Bynum, Isaac James, A. 1, fw; C. 1, s	Moncure
Byrd, Lois Tomlinson, A. 4, fws	Lillington
Caffey, Frances, A. 3, fws	Lyon, Mass.
Cain, Carlton White, Ph. 1, fws	Fayetteville
Cain, Sidney Ivey, Jr., Ph. 1, fw	Fayetteville
Caldwell, Bryan, A. 2, fws	Charlotte
Caldwell, Edward Everett, E. E. 1, fws	Chapel Hill
Caldwell, Jesse Burgayne, Jr., A. S. 1, fws	Cramerton
Callister, Kenneth Cortland, A. 1, fws	Brooklyn, N. Y.
Calloway, William Edward, A. 1, fws	Albemarle
Callum, William Lewis, III, A. 1, fw	Greensboro
Calverley, Fred Wilson, A. 3, fw	Vineland, N. J.
Calvert, John Strong, Jr., A. 1, fws	Regina, Canada
Cameron, Joseph Harold, Ph. 1, fws	Fayetteville
Camp, Horton, P. H. A. spec., w A.B., 1928, Univ. of Ala.; M.D., 1932, Northwestern Univ.	Wassaic, N. Y.
Campbell, Evelyn Ivy, A. S. 3, f	Chattanooga, Tenn.
Campbell, Francis Wilson, E. E. 2, fws	Wallace
Campbell, Gordon Robert, A. 2, ws	Enfield, Conn.
Campbell, Hester, A. 3, fws	Charlotte
Canaday, Claude Carl, A. 1, fws	Benson
Candler, Anne, A. 4, fws	Murphy
Cannon, Eugene Bolivia, Med. 2, fws B.S., 1933, Davidson Coll.	Roanoke Rapids
Cantrell, Jean Smith, A. 4, fws	Winston-Salem
Capasso, Frank, A. S. 2, f	Englewood, N. J.
Capehart, George Washington, Jr., C. 4, fws	Windsor
Capps, Earl Uel, Ph. 2, fws	Fayetteville
Caprio, Dante Anthony, A. S. 1, f	Newark, N. J.
Carawan, Colton Green, Jr., C. 3, fw	New Bern
Carey, Anthony James, C. 1, fws	Kinston
Carlisle, James Benjamin, A. 2, fws	Tarboro
Carlton, Joe Lee, Law 3, fs A.B., 1929, Wake Forest Coll.	Winston-Salem
Carmichael, James Whealton, C. 2, fws	Greensboro
Carne, Jack Boyd, E. E. 3, fws	Asheville
Carpenter, John Graham, Jr., Law 1, fs	Gastonia
Carr, Bryan Whitfield, C. 4, fws	Wilson
Carr, James Dickson, A. 2, fws	Wilmington
Carr, Montfort Boylan, A. 2, fws	Woodmere, L. I., N. Y.
Carr, Thomas Godfrey, C. spec., f	Springfield, Mass.
Carr, William Frederick, Jr., A. 1, fws	Durham
Carroll, DeWitt Edward, A. 3, fws	Chapel Hill

Carroll, Donald Earl, Ph. 1, f; C. 1, ws	Greenville
Carruth, James Robert, A. 4, fw	Arlington, N. J.
Carson, Merl John, Med. 1, fws A.B., 1934	Wilmington
Carson, Walter Charlton, C. 4, fws	Savannah, Ga.
Carter, William Baker, C. 3, fws	Washington
Carty, Samuel Charles, A. S. 1, ws	Washington
Cashwell, Graham Lacy, C. 1, fw	Leesburg, Fla.
Castelloe, Rubaiyat Browning, A. 2, fw	Aulander
Cate, Arlindo Sanders, Law 2, fs A.B., 1933	Greensboro
Cate, Eugene Russell, M. E. 3, fws	Chapel Hill
Cates, Fred Claude, C. 1, fws	Spencer
Cates, George Henry, C. 3, fws	Mebane
Caudle, Wilson Roddye, C. 1, ws	Charlotte
Cavin, Wade Leonard, C. 2, fws	Troutman
Cay, John Eugene, C. 2, fws	Savannah, Ga.
Chaikin, Marvin, C. 1, fws	Cedarhurst, L. I., N. Y.
Chance, Charles William, Ch. E. 2, f; A. S. 2, w	Hillsboro
Chapman, Henry Clay, Ph. 3, f	Dover
Chapman, John Sheffield, A. 3, ws	Wilmette, Ill.
Chears, Vachel Thomas, Jr., A. 2, fws	Edenton
Cheek, Atlas Lawrence, Jr., A. 3, fws	Chapel Hill
Cherry, Harry Willard, C. 2, fws	Draper
Chesnutt, James Fletcher, A. S. 1, fws	Clinton
Chichester, William Taylor, C. 3, fws	Maplewood, N. J.
Childers, William Odell, A. 4, fw	Rockingham
Childress, Jesse Willard, C. 1, f	Olivia
Cichon, Elmer John, A. 3, fws	Clifton, N. J.
Clare, John Laurence, A. 3, fws	Florence, S. C.
Clark, Albert Leslie, M. E. 4, fws	Williamston
Clark, Edward Braden, C. 3, fw	Elizabethtown
Clark, Emerson M., A. 3, f	Providence, R. I.
Clark, Franklin St. Clair, Law 2, fs A.B., 1933, Columbia Univ.	Fayetteville
Clark, Henry Toole, Jr., A. S. 2, f; A. 2, ws	Scotland Neck
Clark, Jerome Bayard, Law 2, fs A.B., 1933, Davidson Coll.	Fayetteville
Clark, Milton Stephen, Med. 2, fws	Goldsboro
Clark, Robert Dranghon, A. 1, fws	Fayetteville
Clark, Sam Nash, Jr., C. 3, fws	Tarboro
Clark, William Fowden, E. E. 1, f; C. 1, ws	Williamston
Clark, Walter Kent, M. E. 1, fws	Hickory
Claypoole, Jesse Stanley, Jr., M. E. 1, f; A. 1, ws	New Bern
Clayton, John Walter, M. E. 2, fws	Winston-Salem
Clayton, Overton Wilson, Jr., Law 1, fs	Brevard
Cline, Augustus Lynch, C. 4, fws	Granite Falls

Cline, Catherine Treanor, L. S. 1, fws B.A., 1934, Georgia State College for Women	Shreveport, La.
Clingman, Joel Pattillo, A. S. 1, fws	Winston-Salem
Clingman, William Francis, Jr., A. 3, fws	Winston-Salem
Cloud, Curtis Lowe, M. E. 3, fw	Hamlet
Clover, William P., C. 2, fws	Glencoe, Ill.
Coan, George William, III, C. 3, fws	Winston-Salem
Coan, James Wiggins, A. 1, fws	Winston-Salem
Cobb, Bertha Elizabeth, A. 3, fws	Durham
Coble, Lane Columbus, A. 4, ws	Albemarle
Coble, Thomas Stanley, Jr., A. S. 2, s	West Durham
Cochrane, Fred Richard, Jr., A. S. 1, fws	Charlotte
Cochrane, William McWhorter, C. 2, fws	Newton
Coffey, Carson Reeves, A. 1, f; A. S. 1, ws	Lenoir
Coffey, Thomas Stuart, Jr., C. 1, fws	Statesville
Coffey, William Henry, A. S. 2, f	Waxhaw
Coffield, Ben Davis, A. 4, fws	Columbia
Coffield, Henry Irwin, Jr., A. 3, fws	High Point
Coffin, Edwin Francis, Jr., E. E. 1, fws	New York, N. Y.
Coffin, Edwin Wilson, A. 4, fws	Chapel Hill
Coggin, Elwood, C. 2, ws	Hamlet
Cohen, Mildred Tybee, A. 3, fw	Atlanta, Ga.
Coker, Coit McLean, A. 3, fws	Chapel Hill
Cole, Harold Miller, C. 2, fws	Carthage
Cole, Robert Leake Steele, C. 2, fws	Rockingham
Collett, Sterling Ruffin, A. 3, fws	Morganton
Collette, Roy Wilson, Ph. 4, fs	Advance
Collins, Katherine Mattie, C. 1, f	Chapel Hill
Collins, Steven Clarence, C. 1, fws	Greensboro
Combs, Jacqueline Eugene, A. 1, fw	Columbia
Combs, Stanley Elbert, E. E. 2, f	Wilson
Conley, Hall, C. 1, fws	Andrews
Conley, Hugh Thomas, C. 3, fws	Marion
Connell, Earl Beardsley, A. 2, fws	Warrenton
Connelly, Robert Leith, C. 3, fws	Morganton
Conner, John William, C. 3, fws	Ocean City, Md.
Connor, Henry Groves, Jr., Law 2, fs A.B., 1933	Wilson
Conte, Louis Benedict, Jr., A. S. 3, fws	Newark, N. J.
Coogan, Richard, A. S. 2, fw	Bryn Mawr, Penna.
Cook, James Filmore, A. 4, fws	Lenoir
Cook, Mack Jefferson, Jr., A. 2, fws	Lenoir
Cooke, Alice, A. 3, fws	Asheville
Cooke, John Elliott, A. 3, f	Elizabeth City
Cooke, Manning Patrick, C. 4, fws	Rich Square
Cooner, Bunyan Randolph, C. 2, fws	Asheville
Cooperstein, Jack Judd, C. 2, f	Jamaica, N. Y.

Cope, James Eppinger, C. 4, fws	Savannah, Ga.
Copeland, James William, Law 1, fs	Woodland
A.B., 1934, Guilford Coll.	
Copeland, Mary Virginia, A. 4, fws	Marion
Copeland, Robert Royal, A. S. 3, fws	Ahoskie
Coppedge, Anna Speas, A. 4, fws	Nashville
Cordon, James Telfair, Law 1, fs	Raleigh
Cordon, Thomas Lamb,, A. 1, fws	Washington
Correll, Coram Ernest, A. S. 3, f	Chapel Hill
Cornwell, Amos Hal, A. S. 3, fws	Lawndale
Corwith, Foster Howell, Ph. 2, fws	Southampton, N. Y.
Cotten, Lyman Atkinson, A. 3, fws	Chapel Hill
Couch, Harriet Daniel, A. 4, f	Chapel Hill
Coughenour, William Chambers, Jr., A. 1, fws	Salisbury
Courtney, George Clarence, Jr., A. 2, fws	Lenoir
Cover, Jane Mayfield, A. 4, fws	Andrews
Covington, Ruth Carolyn, A. 2, fws	Fayetteville
Cowan, Taylor Olynthus, Jr., M.E. 1, fw; A. 1, s	Bristol, Tenn.
Cowles, Anna Swift, A. 3, fws	Greensboro
Cowper, Albert Wallace, Law 3, fs	Kinston
Cox, John Hulon, Med. 1, fws	Winston-Salem
Cox, Loring Dewitt Talmadge, Jr., A. 3, fw	Marion
Cox, Norwood, Jr., A. 3, fws	Richlands
Cox, Richard Martin, A. 2, fws	Washington, D. C.
Coxetter, James Geiger, Jr., A. 1, s	Fort Bragg
Craig, Newton, A. 1, fws	Chapel Hill
Craig, Ruth Winifred, A. 2, fws	Durham
Craige, Archibald, A. 1, fws	Winston-Salem
Craige, Branch, Jr., A. 4, fws	El Paso, Texas
Craighill, James Brown, A. 3, fws	Rocky Mount
Crandall, Barrett Lowell, C. 1, f	Teaneck, N. J.
Crane, George Levering, A. 4, fws	New York, N. Y.
Craver, Thomas Burke, C. 1, fws	Yadkin College
Crawford, John Arthur, A. 4, f	Chapel Hill
Crawford, Joseph Benjamin, A. S. 2, fws	Goldsboro
Crawford, Vivian Battle, C. 2, fws	Chapel Hill
Crayton, John William, A. S. 3, fw	Rocky Mount
Crawly, William Kermit, A. S. 2, fws	Raeford
Credle, William Swindell, A. S. 2, fws	Oxford
Creech, James Rufus, Jr., C. 2, w	Smithfield
Creech, Lemuel Underwood, A. S. 3, fws	Smithfield
Creech, James Leonard, Ph. 1, fws	Goldsboro
Crew, William Lunsford, A. 1, fws	Pleasant Hill
Crock, Alice Elizabeth, A. 3, fws	Greensburg, Penna.
Cromartie, Luther Martin, A. 4, fws	Garland
Crooks, Roy Cox, Jr., C. 1, fws	Concord
Croom, Maude Dinwiddie, P. A. spec., f	Maxton

Croom, Martha Louise, P. A. 3, fws	Winston-Salem
Cross, Oliver Roane, A. 3, f; C. 3, ws	Marion
Croom, William David, C. 4, fw	Burgaw
Crosland, Susie Donald, P. A. spec., W	Rockingham
Crouch, Fred P., A. 4, s	Winston-Salem
Crowell, Charles Milton, Ph. 1, fws	Norwood
Crowell, Irving Fowler, C. 1, f	Ho-Ho-Kus, N. J.
Crowell, Tom Lee, Jr., A. 3, fws	Charlotte
Crowell, Thomas Worth, A. S. 3, fw; A. 3, s	Newton
Cruikshank, Mary Pride, A. 3, fws	Raleigh
Crutchfield, Jack Billings, Ch. E. 4, fws	High Point
Crutchfield, Javan Lanier, Ci. E. 3, fws	Greensboro
Cucuzzella, Dominic Anthony, A. 1, s	Newark, N. J.
Culbertson, James Workman, Med. 1, fws	Woodruff, S. C.
B.S., 1932, Furman Univ.	
Culbreth, Cecil Bruce, C. 2, fws	Stedman
Culbreth, Grey, E. E. 3, fws	Stedman
Culbreth, Oliver Cornelius, C. 4, fws	Fayetteville
Culpepper, George Clarence, Jr., A. S. 1, ws	Elizabeth City
Cummings, Michael Penn, E. E. 2, fws	Reidsville
Cureton, Josephine Cunningham, C. 2, f	Chester, S. C.
Curlee, Thomas Haywood, A. 4, fws	Ansonville
Currie, Richard B., A. 1, fws	Chicago, Ill.
Currin, Harry Lee, C. 2, fws	Northside
D'Ascensio, Paul Thomas, A. S. 1, fws	Newark, N. J.
Dacy, John Frederick, C. 3, fw	Asheville
Daddario, Frank Thomas, M. E. 3, fws	Schenectady, N. Y.
Dalton, Bennie Booker, P. H. A. spec., f	Raeford
A.B., 1924	
Dalton, Robert Patton, C. 1, fws	Dalton
Dalton, William Reid, Jr., A. 2, fws	Reidsville
Dalzell, Robert Reeves, A. 4, s	West Somerville, Mass.
Daniel, Charles William, A. 2, fws	Durham
Daniel, David Allen, A. 3, fws	Charlotte
Daniel, John Wright, C. 2, ws	Wilson
Daniel, William Mathews, A. 3, fws	Wilson
Daniel, William Warren, A. 2, fws	Wilson
Daniels, Dorothy, Law 3, fs	Wellesly Hills, Mass.
A.B., 1932, Randolph-Macon Womans Coll.	
Daniels, James Manly, A. 2, fws	Lexington
Daniels, Lydia Brawner, A. 2, fws	Swampscott, Mass.
Danish, Robert Warren, A. 1, fws	Hollis, N. J.
Darden, Allen Carr, C. 4, fws	Ayden
Darden, Paul Clifford, Jr., A. 1, fws	Wilson
Dashiell, Frederick Knowles, A. 2, fws	Chapel Hill
Davenport, John Phin, C. 1, fws	Trenton
Davenport, Preston Ernest, C. 1, fws	Chapel Hill

Davis, Alfred Clements, C. 4, fws	Hillsboro
Davis, Angus Ferguson, Ch. E. 3, ws	Waxhaw
Davis, Charles Bushnell, Jr., A. 4, fws	Rockingham
Davis, Charles Marshall, C. 3, fws	Lexington
Davis, Daniel Wilborn, Jr., C. 2, fws	Goldsboro
Davis, Foster Miles, C. spec., fws	McDonald
Davis, Graham Bernard, C. 2, fws	Wilmington
Davis, Hugh Milton, Ch. E. 2, fws	Winston-Salem
Davis, Junius Everette, Jr., Ph. 1, fw	Randleman
Davis, John Lorraine, Jr., C. 1, fws	Greensboro
Davis, Joseph Walter, Jr., A. 3, fws	Wellesley Hills, Mass.
Davis, Nannie Louise, C. 2, ws	Goldsboro
Davis, Paul Plato, C. 4, fws	Goldsboro
Davis, William Harris, Jr., A. S. 3, fws	Asheville
Davis, William Joseph, Jr., A. 1, fws	Washington, D. C.
Davis, William Kearny, A. 1, fws	Winston-Salem
Davison, John Murdock, A. S. 1, fws	Larchmont, N. Y.
D'Anne, Helen Howard, P.A. spec., f; Grad., ws A.B., 1934, Lenoir-Rhyne Coll.	Hickory
D'Elia, Albert Leo, A. S. 2, fws	New London, Conn.
DeBardeleben, Newton Hanson, A. 3, fws	Birmingham, Ala.
DeGray, Edward John, A. 1, fws	Brooklyn, N. Y.
DeNoia, John, A. 3, f	Rome, N. Y.
dePolo, Taber, A. S. 2, ws	Old Lyne, Conn.
DeVito, Edmund Charles, A. 1, fws	Paterson, N.J.
Dean, Archie Martin, Ph. 3, fws	East Bend
Dean, Ralph Julius, A. 3, f	Franklin
Dean, Raymond Lee, A. 1, fws	Oxford
Deaton, Paul McNeely, A. S. 3, fws	Statesville
Deaton, Walter Edison, A. 2, fws	Warsaw
Decker, Dan Burt, A. 1, fws	South Orange, N. J.
Dees, James Parker, A. 1, fws	Greenville
Denning, John Hammett, C. 1, fws	Raleigh
Deppe, Ellen Frances, A. 3, fws	Asheville
Derrickson, Joseph Patrick, A. 2, fws	Kennett Square, Penna.
Diamond, Norman, A. 4, f	Brooklyn, N. Y.
Dickens, John Wilton, C. 2, f	Roanoke Rapids
Dicks, Nancy Coltrane, A. 2, fws	Rockingham
Dicks, Patricia Ayer, A. 3, fws	Chapel Hill
Dicks, Robert Stanley, Ch. E. 1, fws	Chapel Hill
Dickson, Paul, A. 2, fw	Raeford
Diehl, Frank Marion, A. 2, fws	Charlotte
Dill, Alonza Thomas, Jr., A. 4, fws	New Bern
Dillon, Henry Edward, A. S. 1, fws	Elkin
Dillon, John Cameron, C. 4, fws	Cortland, N. Y.
Ditch, Morris, A. 4, fws	Dorchester, Mass.
Ditt, Arthur Harvey, A. 1, fws	Lebanon, Penna.

Dixon, John Luther, Jr., A. 1, fws	Oriental
Dixon, Paul Winslow, Jr., A. 1, fws	Pittsfield, Mass.
Dixon, William Grenade, A. 3, fws	Trenton
Dobbins, Samuel Herman, A. 2, fws	Wheeling, W. Va.
Doggett, Lewis Belton, C. 2, fws	Forest City
Donohue, Albert Matthew, C. 3, fw	Ithaca, N. Y.
Doster, Adrian Drexter, M. E. 2, f	Hickory
Doubles, James Arthur, A. 4, fws	Greensboro
Douglas, Donald Chase, Ci. E. 3, fws	Washington, D. C.
Douglas, Edward Wharton, C. 2, fws	Greensboro
Douglass, Dorothy, A. 3, fws	Norfolk, Va.
Dowd, John Wylie, Jr., A. 2, f	Raleigh
Dowd, Robert Marsh, Ch. E. 1, fws	Charlotte
Dowling, William Andersen, A. 2, fws	New Canaan, Conn.
Drake, John Oliver, C. 3, fws	Warrenton
Drane, Robert Brent, C. 4, fws	Charlotte
Draper, Harold Marriott, Jr., C. 3, w	Greensboro
duFour, Robert Blouard, A. 1, fws	Chappaqua, N. Y.
DuRant, Edward Marvin, Jr., C. 1, s	Washington
Dudley, John Wesley, L. S. 1, fws	Newport News, Va.
A.B., 1934	
Dudley, Leighton Wesley, A. 1, fws	Houlton, Maine
Dudley, Mary Nichols, L. S. 1, fws	Houlton, Maine
A.B., 1934	
Duff, Frank, C. 1, fws	Signal Mountain, Tenn.
Duff, George William, C. 2, w	Wallace
Duffy, Richard Nixon, A. S. 3, f; A. 3, ws	New Bern
Dunbar, Clarence Wendell, Ch. E. 3, fws	High Point
Dunham, LeVerne, A. 2, fws	Geneseo, N. Y.
Dunham, Wallace Gamewell, A. 2, fws	Winston-Salem
Dunlap, William Robert, A. S. 1, fws	Rock Hill, S. C.
Dunn, Carl Nicholas, Jr., C. 4, fws	Wilmington
Dunn, Mark Stevenson, Law 1, fs	New Bern
Dupree, Franklin Taylor, Jr., Law 2, fs	Angier
A.B., 1933	
Durfee, Winthrop Carver, A. 3, fws	Hadlyne, Conn.
Durham, Elizabeth Jane, L. S. 1, fws	Chapel Hill
A.B., 1934	
Dyess, Sarah Ann, A. 3, s	Augusta, Ga.
Eagles, Frederick Moye, A. 3, fws	Wilson
Eason, Donald Haines, A. 3, fs	New York, N. Y.
Easter, Howard Baxter, A. 2, fw	Lexington
Easter, John Earle, A. 4, fws	Lexington
Eaton, Charles Edward, A. 3, fws	Winston-Salem
Eberhart, Paul Marcus, A. 1, fws	Providence, R. I.
Eckert, Walter Henry, C. 1, fw	Amityville, L. I., N. Y.
Edelson, Edmond Kramer, Med. 2, fws	Newark, N. J.

Edens, Elvert McGirt, A. S. 1, fws	Fayetteville
Edmondson, Frank, Jr., Med. 2, fws	Tarboro
Edwards, Alton Blaine, A. S. 3, fws	Hamlet
Edwards, Bertha Wilson, L. S. 1, fws	Louisville, Kentucky
A.B., 1934, Univ. of Louisville	
Edwards, Charles Wharton, Jr., C. 3 fws	Greensboro
Edwards, John Reid, A. 3, fws	Asheville
Edwards, Luther Kenneth, Ph. 1, fws	Stantonsburg
Edwards, Waverly Harold, Jr., A. S. 2, fw	Princeton
Efland, Simpson Lindsay, A. 4, fws	Efland
Ehringhaus, Haughton, A. 1, fws	Raleigh
Ehringhaus, John Christopher Blucher, Jr., Law 1, fs	Raleigh
Eichhorn, Ralph David, C. 1, fws	New York, N. Y.
Eidson, Alice Lavinia, A. 2, fws	Chapel Hill
Eisenberg, Leonard, Law 3, fs	Winston-Salem
A.B., 1933	
Eisenberg, Robert, C. 3, fws	Winston-Salem
Eller, Adolphus Will, Jr., A. 1, fws	Winston-Salem
Eller, Albert Johnson, P. H. A. spec., w	Wilkesboro
M.D., 1893, Coll. of Physicians and Surgeons	
Ellington, Alfred Jackson, Law 1, fs	Madison
Ellington, Richard Alexander, C. 3, fws	Madison
Elliott, Gelda Hillyard, A. spec., fws	Chapel Hill
Ellis, Albert Joseph, C. 4, fws	New Bern
Ellis, Albert Luther, C. 2, fws	Banner Elk
Ellis, James Hugh, A. 1, fws	Nashville
Ellisberg, Bernard Elias, Law 3, fs	Raleigh
B.S., 1934	
Ellisberg, Mortimer, C. 3, fws	Raleigh
Ellison, Robert Emmet, C. 1, fws	Matthews
Elmendorf, John Gaasbeek, A. 2, fws	Westville, Conn.
Elmore, Samuel Eltinge, Jr., A. 3, fws	Spindale
Elwell, Alfred Maul, Jr., A. S. 1, fws	Merchantville, N. J.
Emerson, Henry McQueen, C. 4, fws	Wilmington
Engel, Marvin Bernard, A. 2, fw	Massapequa, N. Y.
Enloe, William Alfred, Jr., C. 4, f	La Fayette, Ga.
Ennis, Therman Carroll, A. 2, fws	Coats
Erickson, John Raymond, C. 2, fws	Oak Park, Ill.
Ericson, Ervid Eric, Law 2, s	Carrboro
B.A., 1931; M.A., 1932	
Erlanger, Michael Charles, A. 2, fws	New York, N. Y.
Ernst, Marion Cecil, C. 1, fws	Chapel Hill
Esbinsky, Leo, Med. 1, fws	Bronx, N. Y.
A.B., 1934	
Essey, Louis Joseph, A. 1, fws	Maxton
Estes, Lynthiul, P. A. spec., f	Wake Forest
B.S., 1932, N. C. State Coll. of A. & E.	

Eure, Carlton Riddick, A. 1, f	Gatesville
Eutsler, Eugene Ernest, Jr., E. E. 3, fws	Goldsboro
Evans, Charles Andrew, Ci. E. 1, fws	Statesville
Evans, Joseph Carlton, A. 4, fws	Maxton
Evans, Monroe Ernest, E. E. 4, fws	Fayetteville
Evans, Webb Frederick, A. 2, fws	Carrboro
Everett, Earl Harrell, A. 1, fs	Robersonville
Everett, Malcolm Edwin, Jr., A. 4, fws	Macon, Ga.
Everett, William Nash, III, C. 1, fw	Rockingham
Everhart, Cleo Hill, Ch. E. 1, fws	Lexington
Evins, Thomas Moore, A. 3, fws	Oxford
Ewbank, Frank Wyttenbach, Ch. E. 2, fws	Hendersonville
Exum, Woodrow Wilson, M. E. 1, f; C. 1, ws	Snow Hill
Ezzard, Virginia, A. 4, fws	Laurenceville, Ga.
Fackner, William Pratt, C. 1, fws	Washington, D. C.
Fairley, Francis Hilliard, A. 3, fws	Monroe
Falk, Robert Witherspoon, C. 1, fws	Sayville, N. Y.
Farlow, Worth L., A. S. 1, fws	High Point
Farmer, Joseph Arthur, A. 4, fws	Shelby
Farmer, John Deaver, A. S. 2, fws	Wilmington
Farrell, Frank Morgan, C. 1, s	Bronx, New York
Farrell, Joseph Gaston, Jr., E. E. 4, fws	Leaksville
Farrell, Octavius Wilson, C. 3, fws	Pine Level
Farthing, William Lee, Jr., C. 1, fws	Durham
Fast, Seymour W., A. 1, fws	Newark, N. J.
Faucette, George Russell, A. 2, fws	Durham
Faucette, John Cleo, A. 2, fws	Durham
Fawcett, George Thomas, C. 3, fws	Mt. Airy
Feimster, Conner Jackson, C. 2, fw; A. 2, s	Newton
Feimster, Spencer Adams, A. 1, fws	Greensboro
Feldman, Morton, A. 1, fws	Brooklyn, N. Y.
Fendley, Moses Lacy, Jr., Ch. E. 1, fws	Charlotte
Ferguson, Fletcher Wilson, A. 1, fws	New Haven, Conn.
Ferrando, James, A. 2, f	New York, N. Y.
Ferrando, Robert, A. 2, fws	New York, N. Y.
Ferrell, James Frank, A. S. 2, fws	Asheville
Fetzer, Amy Steen, L. S. 1, fws	Gainesville, Fla.
B.A., 1934, Univ. of Florida	
Fidel, George, A. S. 1, fws	Newark, N. J.
Field, Dan Benning, Jr., E. E. 3, fws	Greensboro
Field, John Early, A. S. 2, fws	Greensboro
Fields, Branch Tucker, A.S.1,f;C.1,w;A.S.1,s	Greensboro
Fields, William Coffield, A. S. 1, fws	Fayetteville
Finberg, Bertram Edward, A. 1, f	Newton, Mass.
Finkelstein, Milton Allen, C. 2, f	Wilmington
Finlay, James Ferguson, Jr., A. 2, fws	Chattanooga, Tenn.
Fiore, Angelo Ralph, A. S. 4, fws	Atlantic City, N. J.

- Fisher, Erma May, A. 4, fws
 Fisher, Joseph Jerome, C. 2, fws
 Fiser, Harry Tuft, A. 3, fws
 Fitts, Morris Calvert, C. 1, fws
 Fitzhugh, William Paschal, C. 2, fws
 Flanders, Nancy, A. 1, fws
 Flannagan, Eric Goodyear, E. E. 1, fws
 Fleming, Ernest Iredell, Jr., C. 2, fw
 Fletcher, Guy William, A. 2, w
 Fletcher, Joseph Reid, Jr., C. 2, fws
 Fletcher, William McClain, A. 3, fws
 Florence, William Alexander, C. 3, fws
 Floyd, Robert Edwin, Law, spec., fs
 Fluharty, Joseph Randolph, A. S. 3, fws
 Flynn, Kathryn Elizabeth, A. S. 3, fs
 Flynt, George William, Jr., C. 2, fws
 Flynt, Sandy Richard, C. 1, fws
 Foister, Robert Welch, Jr., M. E. 2, f
 Folger, Spencer Adams, A. 2, fws
 Foltz, Paul Otto, A. 1, fws
 Ford, George Cecil, C. 1, fws
 Ford, William M., Jr., A. 2, fws
 Foreman, John Born, C. 1, fws
 Forgrave, Jane Clayton, A. 4, fws
 Fortune, Benjamin Fletcher, A. S. 2, fws
 Foster, Berry Jay, Jr., A. 1, w
 Fotouhi, Abol Hassan, A. 2, fws
 Fountain, Lawrence H., Law 2, fs
 A.B., 1930
 Foust, John DeWitt, Jr., M. E. 3, fws
 Fowler, Brunace Vista, C. 1, fws
 Fox, Dennis Bryon, Med. 2, fws
 Fox, Howard Spencer, Ph. 2, fws
 Fox, Junius Claude, A. S. 1, fw
 Francis, John Willard, A. S. 1, s
 Francis, Joseph Snelson, M. E. 1, fws
 Frank, Laurence, A. 2, fws
 Frank, William Thomas, A. 1, fws
 Frankel, Ira Meyer, C. 3, fws
 Fraser, George Ranson, M. E. 3, fws
 Frazier, Harrison Lea, Jr., M. E. 1, fw
 Frazier, Rose Marie, L. S. 1, fw
 A.B., 1929, Duke Univ.
 Frazier, Richard Vann, E. E. 4, f
 Freeman, Claude Quarterman, C. 4, fws
 Fredericks, Harry Leo, A. 2, fws
 Freeman, Dexter Lynn, A. 2, fws
 Southern Pines
 Houstonville
 Ivanhoe
 Cortland, N. Y.
 Weldon
 Hendersonville
 Henderson
 Rocky Mount
 East Bend
 Winston-Salem
 Washington, D. C.
 Greensboro
 Lumberton
 Asheville
 Durham
 Winston-Salem
 Winston-Salem
 Chapel Hill
 Charlotte
 Winston-Salem
 Baltimore, Md.
 Fairmont
 Glencoe, Ill.
 Chapel Hill
 Greensboro
 Mocksville
 Tabriz, Persia
 Tarboro
 Graham
 Winston-Salem
 Randleman
 Asheboro
 Randleman
 Philadelphia, Penna.
 Bryson City
 Brooklyn, N. Y.
 Newark, N. J.
 Bridgeport, Conn.
 Pottstown, Penna.
 Asheville
 Durham
 Greensboro
 Raleigh
 Salem, N. J.
 Ellerbe

- Freeman, Samuel Williamson, C. 3, fws
 French, Thomas Butler, C. 3, fws
 Freudenheim, Theodore, A. 1, s
 Friedman, Mordecai, A. 3, fws
 Fries, Channing Hilliard, Jr., A. 1, fw
 Frink, John Westlake, A. S. 2, fws
 Frucht, Max Donald, Ci. E. 3, f
 Fry, Carl R., Ch. E. 3, fw
 Frye, David William, P. A. 4, fws
 Frye, John Robert, A. S. 2, fws
 Fulenwider, Henry Lane, C. 3, fw
 Fulghum, John Richard, Ch. E. 3, f; A. spec., s
 Fulghum, Thomas Arthur, Jr., A. 1, fws
 Fuller, Edward James, A. 1, ws
 Fuller, James Ernest, C. 4, f; A. 4, ws
 Fulton, John Carr, A. S. 1, fws
 Furchgott, Robert Francis, A. S. 2, fws
 Fussell, John Henry, C. 2, fws
 Fussler, Herman Howe, A. 4, fws
 Futrell, Clyde Loraine, Ph. 1, fws
 Fysal, Ellis Daher, Law 1, fs
 A.B. in Educ., 1932
 Gabori, Richard Frederick, A. 2, fws
 Gaddy, Phil, Ph. 1, fws
 Gaines, Margaret Edmunds, A. 4, fws
 Gallagher, David Lane, Jr., Ch. E. 1, fws
 Gambill, Robert Mack, Law 2, fs
 Gamble, David Worth, A. 3, fws
 Gammon, Edgar Graham, Jr., A. 2, fws
 Gant, James Frank, Jr., C. 1, fws
 Gardiner, Robert Morris, A. 2, fws
 Gardner, Charles Kurtin, A. 4, fws
 Gardner, Lytt Irvine, A. 1, fws
 Gardner, Robert Adrian, A. S. 1, fw
 Gardner, Ralph Webb, Law 1, fs
 Garis, William Irving, A. 4, fws
 Garland, Robert Franklin, C. 1, fws
 Garrett, John Walton, A. S. 2, f; A. 2, ws
 Garrison, Oliver Hamilton, C. 3, fws
 Garriss, Frank Henry, P. H. A. spec., f
 M.D., 1912, Jefferson Med. College
 Gaskill, Edwin Austin, Jr., Ch. E. 4, fws
 Gaskins, Foy Patrick, A. S. 4, fws
 Gatling, Gladstone Daughtry, A. 3, fws
 Gavin, Harold Winford, Law 1, fs
 Gavin, Robert Lee, A. 3, fws
 Gaydos, Albert John, C. 1, fws
 Bat Cave
 Statesville
 Brooklyn, N. Y.
 Baltimore, Md.
 Salisbury
 Chapel Hill
 Newark, N. J.
 Washington, D. C.
 High Shoals
 Asheville
 Savannah, Ga.
 Chicago, Ill.
 Danville, Va.
 Salem, Mass.
 Columbus, Ga.
 Winston-Salem
 Goldsboro
 Wilmington
 Chapel Hill
 Pine Level
 Wilson
 Scarsdale, N. Y.
 Marshville
 Richmond, Va.
 Greensboro
 Crumpler
 Waxhaw
 Charlotte
 Winston-Salem
 Germantown, Penna.
 Stocksville
 Reidsville
 Fountain
 Shelby
 Lyndhurst, N. J.
 Marshville
 Danville, Va.
 Unionville
 Lewiston
 Asheville
 Greensboro
 Gates
 Sanford
 Sanford
 North Braddock, Penna.

Geary, John Maurice, A. S. 2, fws	Salisbury
Gegerson, Nathan, A. 1, ws	Brooklyn, N. Y.
George, Braxton Heritage, A. S. 4, fws	Comfort
George, D'Arcy Roscoe, A. S. 2, fws	White Plains, N. Y.
George, George Lafayette, A. S. 4, fws	Selma
Gholson, Wilbur Lytle, A. S. 3, f; A. 3, ws	Wilmington
Gialanella, Hector, A. 4, fws	Newark, N. J.
Gibbes, Alexander Mason, C. 4, fws	Columbia, S. C.
Gibbons, John J., C. 1, fws	Lenoir
Gibbs, Eloise, A. S. 3, fws	Columbia
Giddins, Sam Gary, M. E. 4, fw	Brooklyn, N. Y.
Gifford, James Gordon, C. 1, fws	Southern Pines
Gilbert, John Paul, A. 3, fws	Wilson
Gilbert, Loamie, Jr., Ph. 3, fws	Benson
Gilbert, Ralph Ury, A. 1, fws	Wilson
Giles, Harry Derrick, A. S. 2, fws	Danville, Va.
Gillam, Moses Braxton, A. 2, fws	Windsor
Gillespie, Edith Merle, A. 2, fws	Chapel Hill
Gilliam, James Sylvester, Jr., A. 3, fws	Altamahaw
Gilliam, Ervin Bennett, A. 1, fws	Apex
Gillie, Melvin Lee, C. 4, fws	Draper
Gilmore, Charles Wurster, A. 1, fws	Charlotte
Ginsberg, Henry Albert, A. 4, fws	Asheville
Ginsberg, Roger, A. 3, fws	Asheville
Giobbi, Joseph, E. E. 4, fws	Durham
Glace, Ivan Maxwell, Jr., Ci. E. 4, fw	Harrisburg, Penna.
Glass, William Thomas, Jr., Ph. 3, fws	Sanford
Glenn, Francis Thornton, A. 3, fws	Asheville
Glenn, James Kirk, C. 1, fws	Winston-Salem
Glenn, John Louis, Ch. E. 1, fws	Charlotte
Glenn, Roland A., Ph. 4, s	Mt. Olive
Glenn, Sarah Priscilla, L. S. 1, fws	Lincolnton
A.B., 1928, Agnes Scott Coll.	
Goffin, Herman Lewis, C. 1, fw	New Haven, Conn.
Gold, Charles Fortune, Jr., Law 1, fs	Rutherfordton
B.S., 1934, Davidson Coll.	
Gold, Thomas Byron, A. S. 2, fws	Shelby
Goldberg, Herbert Alexander, C. 1, fws	Bessemer City
Goldberg, Robert, A. 4, fws	Brooklyn, N. Y.
Goldenthal, Edgar Joseph, A. 2, fws	New York, N. Y.
Goldman, Gerson Mandel, C. 4, fws	Elizabeth, N. J.
Goodes, Eugene Leonard, A. 2, fws	Burlington
Gooding, Frank Gerig, Jr., A. 1, fws	Salisbury
Goodman, Erastus Genair, A. S. 2, fws	Leland
Gordon, Abraham, C. 1, fws	Goldsboro
Gordon, Anna Barrow, A. 4, fws	Spray
Gordon, Harold, A. S. 3, f; A. 3, ws	Brooklyn, N. Y.

Gordon, James Edward, C. 1, fws	Hillsboro
Gordon, Philip Elihu, A. 3, fws	Newark, N. J.
Gordon, Sidney, A. 2, fws	Brooklyn, N. Y.
Gordy, Thomas Daniel, E. E. 3, fws	High Point
Gores, Gertrude Gretchen, A. 3, ws	Weaverville
Gorham, James Samuel, Jr., Law 2, fs	Rocky Mount
B.S., 1931	
Gorham, Ralph Hodges, A. 3, fws	Rocky Mount
Gouger, John Lewis, C. 2, fws	Mooreville
Gove, John Raymond, Ci. E. 1, fws	Bergenfield, N. J.
Gover, Alex McGowin, A. 1, fws	Charlotte
Graham, Nevin Daniel, A. S. 3, fws	Hamlet
Graham, Reuben Holmes, Jr., C. 1, fws	Charlotte
Graham, Walter Raleigh, A. 3, fws	Charlotte
Gramms, Fred Horst, C. 1, fw; A. S. 1, s	Washington, D. C.
Grant, Edward Price, E. E. 2, fw; C. 2, s	Warrenton
Grant, Henry Boone, A. S. 1, fws	Garysburg
Grant, John Brewster, Law 1, fs	Mocksville
B.S., 1934, Davidson Coll.	
Grantham, John Calhoun, A. 1, fw	Windsor
Graves, George Calvin III, C. 1, fws	Charlotte
Gray, Thomas Burke, Med. 1, fws	Murphy
Green, Edgar Lester, Jr., C. 1, fw	Baltimore, Md.
Green, Mary Cook, P. A. 4, fws	Weldon
Green, Ruth Elizabeth, A. S. 1, fws	Hyattsville, Md.
Greenaway, James Emerson, L. S. 1, fws	Springfield, Mass.
B.S., 1927, Mass. State Coll.	
Greenberg, Albert, A. 4, fws	New York, N. Y.
Greene, Juanita, A. 3, fws	Harlan, Ky.
Greengold, Leo, A. 4, fws	Brooklyn, N. Y.
Greer, John Edwin, Ch. E. 1, fws	Andrews
Greer, Lee Jackson, Law 3, fs	Wilmington
A.B., 1934	
Greeson, Michael Ralph, C. 1, fws	Greensboro
Greet, William Bibb, A. 3, fws	Asheville
Gregg, A. D., P. H. A. spec., f	Liberty
M.D., 1913, Medical College of State of S. C.	
Gregory, Thomas Felix, C. 1, fws	Weldon
Grier, John Calvin, Jr., A. 3, fws	Charlotte
Grier, Joe Williamson, A. 2, fws	Charlotte
Griffin, Clarence Alonzo, C. 2, fws	Rocky Mount
Griffin, Clarence Walton, A. 4, fw	Williamston
Griffin, Edward Adolphus, Jr., C. 2, fw	Sanford
Griffin, Ezra Ennis, Jr., Law 1, fs	Goldsboro
Griffin, Irvin Clifford, C. 2, fws	Williamston
Griffin, Milton Warren, A. 3, fws	Williamston
Griffin, Roscoe Dillard, C. 1, fws	Rocky Mount
Grimes, Clyde William, El. E. 1, fws	Charlotte

Grimes, Junius Daniel, Jr., C. 2, fws	Washington
Grisette, Mary Vivian, A. 4, fws	Chapel Hill
Groome, Cicero Hunt, Jr., C. 3, ws	Greensboro
Groover, Walter Rufus, C. 4, w	Savannah, Ga.
Gross, Sidney Lee, A. 4, fws	Kinston
Grove, Collins Denny, Jr., A. 3, fws	Goldsboro
Grover, Malcolm Laurence, C. 1, fws	Southern Pines
Grubb, Foy Eugene, C. 1, fws	Spencer
Guarino, Robert Paul, Ci. E. 3, f	High Point
Guelker, James Melvin, C. 1, fws	Asheville
Gulash, John Robert, Jr., A. 3, fws	Bridgeport, Conn.
Gunn, Howard Townsend, Jr., C. 1, ws	Rocky Mount
Gunter, John Wadsworth, C. 4, fw; Grad., s	Greensboro
Guntzler, Eugene, A. 2, fw	Rockaway Beach, L. I., N. Y.
Gwyn, Harvey William, A. 4, fws	Mt. Airy
Gwynn, Dallas Edmund, C. 1, fws	Leaksville
Hackney, James Acra, Jr., Ch. E. 1, f; A. 1, ws	Washington
Haddaway, Warren Monroe, C. 1, fws	West Chester, Penna.
Hagey, Robert Hendee, A. 1, fws	Chicago, Ill.
Hagood, Louis Reeve, E. E. 4, fws	Chinquapin
Haines, William Clayton, M. E. 1, f	Philadelphia, Penna.
Hairston, Nelson George, A. S. 2, f; A. 2, ws	Advance
Hairston, Peter Wilson, Jr., Law 3, fs	Advance
A.B., 1933	
Hall, Augustus Steele, A. S. 1, fws	Oxford
Hall, Alexander Weldon, Jr., C. 1, fws	Warrenton
Hall, Edgar Milton, Jr., Med. 1, fws	Lillington
A.B., 1934, Duke Univ.	
Hall, Eugene Tommy, A. 1, fws	Mt. Airy
Hall, William Thomas, Jr., A. 2, fws	Lexington
Halsey, William Bradley, Ph. 1, fws	Sparta
Hamilton, Albert Broadus, C. 1, fws	Jonesboro
Hamilton, Allen Simon, A. 3, fws	Sea Level
Hamilton, Fred Russell, C. 3, fws	Hamlet
Hamilton, Horace Emerson, C. 2, fws	Chapel Hill
Hamilton, Oscar A., M. E. 3, fws	Chapel Hill
Hamlin, Edwin Jones, A. 1, fws	Roxboro
Hammer, Philip Gibbon, A. 3, fws	Wilmington
Hammond, Eleanor Anne, A. 3, fws	Asheboro
Hampton, Elizabeth Louise, A. 3, fws	Pine Bluff
Hampton, Louis Robertson, C. 4, fws	Leaksville
Hamrick, Felix E., A. 3, f	Shelby
Hamrick, Howard Luther, Jr., A. 1, fws	Lattimore
Hancock, Robert Pryor, C. 1, fws	Wilmington
Hancock, Stoddard Page, A. 1, fws	New York, N. Y.
Hanes, Alex Stephen, Jr., A. 3, fws	Winston-Salem
Hanks, Donah Wood, Jr., A. 4, fws	New Bern

Hansen, Betty McLean, A. 4, fws	Asheville
Hard, Stephen Bois, A. 1, fws	Cedarhurst, L. I., N. Y.
Hardee, Aldridge Kirk, Jr., A. S. 4, fws	Graham
Hardison, Luther Lindon, A. S. 1, fws	Edenton
Hardison, Robinson Battle, Jr., C. 3, ws	Morven
Hardison, Robert Lee, A. S. 2, fws	Edenton
Hardre, René, A. spec., fws	Greensboro
B.A. & B.S., Lycee La Canal	
Hargett, Walter Lee, Jr., A. 3, fws	High Point
Harkey, William Albertis, A. 3, fw	Sanford
Harlow, Thompson Ritner, A. 2, fws	Raleigh
Harney, William Selby, Jr., Ch. E. 4, fws	Norfolk, Va.
Harrell, Francis Sater, A. 4, fws	Scotland Neck
Harrell, Paul Truman, A. 4, fws	Cofield
Harrelson, Burns Asbury, A. S. 1, f	Elm City
Harriman, Joseph Kimball, A. 1, fws	Asbury Park, N. J.
Harris, Abraham K., A. S. 3, fws	Newark, N. J.
Harris, Arthur Lawrence, E. E. 1, f; C. 1, ws	Seaboard
Harris, George William, A. 1, ws	Seaboard
Harris, Harvey William, C. 4, fws	Raleigh
Harris, James Gilmer, A. 3, fws	Charlotte
Harris, Peggy Anne, A. 4, f	Rutherfordton
Harris, Richard Alexander, Jr., C. 3, fws	Valdosta, Ga.
Harris, William II, Med. 1, fw	Brookline, Mass.
A.B., 1933	
Harris, William Clinton, Jr., Law 2, fs	Raleigh
Harrison, Kate Tabb, A. 3, fws	Brook Hill, Va.
Harrison, William Burwell, C. 4, fws	Enfield
Harrison, Willis Speight, A. 1, fws	St. Pauls
Harriss, Herbert Henry, Jr., C. 4, w	Wilson
Harriss, John Reddick, C. 1, ws	Wilson
Harriss Meares, Jr., A. 2, fws	Wilmington
Hart, William Almon, II, C. 2, fws	Tarboro
Harvey, Harry Francis, A. 1, fws	Salisbury
Harward, Rufus Franklin, A. 2, fws	Raleigh
Haskett, Morris Bearden, A. 1, fws	Wilmington
Haskins, Woodrow, A. S. 4, fws	Trenton
Hasty, James Bonner, C. 1, fws	Monroe
Hatch, Samuel Phillips, C. 3, fws	Sanford
Hauser, Bertram, C. 1, fws	Far Rockaway, N. Y.
Hauser, Clara Lillian, P. A. spec., ws	Pfafftown
Hawes, John Robert, A. S. 2, fw	Atkinson
Hawes, Martha Bond, A. 3, s	Chapel Hill
Hawes, Ruth Belt, A. spec., f; Grad., ws	Swansboro
B.S., 1910, Columbia Univ.; M.A., 1930, <i>ibid.</i>	
Hawes, Virginia Dancy, A. 1, fw	Atkinson
Hawfield, Samuel Glenn, Jr., E. E. 1, fws	Concord

Hawley, John Holman, Jr., C. 2, fws	Goldsboro
Hawthorne, Thomas Joseph, C. 4, fws	Charlotte
Hayes, Kenneth Crawford, A. 3, fws	Greensboro
Hayes, William Anderson, Ph. 3, fws	Hillsboro
Haynes, Richard Dow, Ch. E. 4, fws	Atlanta, Ga.
Haywood, Fabius Julius, Jr., A. 4, fws	Concord
Haywood, Hubert Benbury, A. 3, fws	Raleigh
Haywood, Henry Dockery, A. 3, fws	Raleigh
Hazelman, Herbert Richard, A. 4, ws	Andrews
Hazzard, John Daniel, A. 2, fws	Wilmington, Del.
Heady, William Lowerre, A. 3, fws	Northampton, Mass.
Heard, George Alexander, Ch. E. 1, fws	Savannah, Ga.
Hearn, Bunn, Jr., A. 2, f; A. S. 2, ws	Wilson
Hearne, Elmina Hughes, A. 4, fws	Albemarle
Heath, Malcolm Griffin, Jr., A. 4, fws	Greensboro
Hecht, Morris, C. 1, fws	Columbus, Ga.
Hedgpeth, Sherwood, C. 4, fws	Greensboro
Hedrick, John Ervin, A. 1, fws	Thomasville
Hedrick, Robert Wilburn, Jr., A. S. 1, fw	Lenoir
Heiderich, George Henry, M. E. 4, fws	New Garden, N. Y.
Heller, Richard Paul, Ch. E. 1, fws	Charlotte
Helms, Alexander Wriston, A. S. 1, fws	Monroe
Helms, John Reece, A. 3, fws	Marshville
Hendel, Lawrence, A. 1, fws	New London, Conn.
Henderson, Archibald, Jr., A. 2, fws	Chapel Hill
Henderson, Cora Emmaline, A. 3, fws	Graham
Henderson, Cranmer Hildreth, C. 1, fws	Wilmington
Henderson, David Eldridge, M. E. 1, fws	Winston-Salem
Henderson, Dulan Eugene, A. 1, fw	Scotland Neck
Henderson, Frederick Gustave, Jr., Law 1, fs	Monroe
Henderson, Walter Alexander, Jr., A. 4, fws	Monroe
Henderson, William Freeman, A. 4, fws	Jacksonville
Hendren, Mary Elizabeth, A. 4, fws	Chadbourn
Hendricks, Norman Ray, A. 1, s	High Point
Hendrickson, Edward Henry,	Belmar, N. J.
A. S. 1, f; Ch. E. 1, ws	
Hendrix, Charles William, C. 1, fws	Jamestown
Henggi, Robert Ray, C. 1, fws	Oakmont, Penna.
Henley, Thomas Franklin, Med. 1, fws	Laurinburg
Henry, Mary Elizabeth, A. 1, fws	Chapel Hill
Henry, Marina Hoyt, Med. 1, fws	Chapel Hill
A.B., 1934	
Henry, Thomas Allison, Law 3, fs	New Bern
Henson, Robert Lee, E. E. 3, fws	Murfreesboro
Henson, Thomas Albert, Med. 2, fws	Murfreesboro
Herring, Edward Lewis, M. E. 2, fs	Fayetteville
Herring, Wilbert Lawrence, C. 3, fws	New York, N. Y.

Hershey, John Dapp, E. E. 4, fws	Schenectady, N. Y.
Hewitt, Robert Rowe, Jr., C. 2, fws	Lattimore
Heyward, Francis Dewey, A. 1, fws	Goldsboro
Hicks, Richard Hilton, A. 2, fws	Rocky Mount
Hicks, Tom Westray, C. 3, fws	Rocky Mount
Higby, Floyd Dorian, Jr., Ch. E. 4, fws	Sterling, Ill.
Higby, John Baldwin, Law 1, fs	Madison, Wis.
A.B., 1934, Univ. of Wisconsin	
Hill, Theo Hunter, E. E. 3, fws	Newburgh, N. Y.
Hines, Robert Stancil, C. 2, fw	Kinston
Hines, Stedman Holt, Law 1, fs	McLeansville
A.B., 1934, Elon College	
Hines, Thomas MacEntyre, M. E. 1, f; A. 1, ws	Salisbury
Hinkle, Charles Glenn, M. E. 1, fws	Greensboro
Hinkle, Haywood Watson, C. 1, fws	Lexington
Hinkle, Lawrence Earle, A. 1, fws	Raleigh
Hinnant, Charles Bryant, A. S. spec., fws	Micro
A.B., 1934, Atlantic Christian Coll.	
Hinson, John Henry, C. 3, f	Monroe
Hinson, William Dewey, A. spec., fw	Charlotte
Hobbs, Claude Elton, Jr., C. 1, fws	Charlotte
Hobbs, Nell Blair, A. spec., fw	Chapel Hill
Hobgood, Samuel Henry, Jr., C. 3, fws	Durham
Hockaday, James Brooks, A. 3, fws	Lillington
Hodges, Catherine, A. 3, fws	Chapel Hill
Hodges, Francis Edmond, C. 1, fws	Spray
Hodges, Horace Hayden, A. S. 1, fws	Chapel Hill
Hoffer, Wilson Lee, M. E. 1, f	Jersey Shore, Penna.
Hogan, James Edward, A. 2, fws	Ellerbe
Hodges, Henry Latham, C. 3, fws	Washington
Hogan, June Camella, A. 2, fws	Chapel Hill
Hoggard, John Thomas, C. 4, fws	Wilmington
Hoggard, Maurice Mitchell, C. 2, fw	Lewiston
Holder, James Albert, Jr., A. 1, ws	Asheboro
Holland, Howard C., A. 4, fws	Drum Hill
Holland, John Edwards, C. 4, fws	Charles
Holland, Lawrence Pegram, C. 4, fws	Shelby
Holland, Nesbit Rickert, C. 3, fws	Charles
Holland, William Rhoid, Jr., C. 1, fws	Statesville
Holland, Yates Leander, A. 4, fws	Forest City
Hollaway, Marion LeGrand, C. 1, fws	Monroe
Holley, Charles Edward, A. S. 3, f; C. 3, w	High Point
Holliday, Blair, Ch. E. 4, fw	New Canaan, Conn.
Hollingsworth, Willard Revelle,	St. Augustine, Fla.
M. E. 2, fw; C. 2, s	
Hollowel, Christopher Wilson III, A. 4, fws	Elizabeth City
Holman, Roger Elliott, C. 3, fws	Charlotte

Holt, Dewey Tate, A. 4, f	Mebane
Holt, Fred Anderson, Ph. 4, s	Graham
Holt, Raymond Creed, Law 1, fs	Florence, S. C.
Holt, Ronnie Laurins, A. 4, f	Pink Hill
Holt, Sidney Seymour, A. 2, fws	Graham
Holt, Thomas, Med. 1, fws	Warrenton
Honeycutt, Murray, E. E. 3, fws	Lexington
Hooke, Robert, A. 1, fws	Greensboro
Hooks, George Leon, Jr., C. 4, fws	Fremont
Hopkins, Wilson Warner, Jr., C. 2, fws	Durham
Horne, Elizabeth Newton, P. A. spec., f	Wilmington
Horne, John Hannan, C. 3, fws	Spencer
Horton, Robert K., M. E. 1, fws	Zebulon
Howard, Albert Grady Harris, A. S. 2, f	Concord
Howard, Fred Ervin, Jr., A. 4, fws	Chapel Hill
Howard, Frances Parker, A. 1, fws	Chapel Hill
Howard, Ira Nathaniel, Jr., C. 1, fws	Oxford
Howard, Margaret Leon, A. 1, fw; A. S. 1, s	Chapel Hill
Howard, Mildred Langford, A. 3, fws	Glasgow, Ky.
Howard, Robert, C. 2, fws	Tarboro
Howard, Ruth Lane, A. 1, fws	Chapel Hill
Howard, Romaine Smith, Law 2, fs	Tarboro
Howard, Sarah Elizabeth, A. spec., s	Fuquay Springs
Howe, Raymond Reed, Jr., A. 1, fw	Jordan, N. Y.
Howell, James Harden, Jr., A. 3, fws	Waynesville
Howell, Thomas Parsons, A. 4, fws	Ellerbe
Howison, Robert Cooke, Jr., A. 2, fws	Raleigh
Hoyt, Richard Fredric, C. 1, fw	Oak Park, Ill.
Hubbard, Charles Spence, A. 4, fws	Sanford
Huber, Richard LeRoy, Ch. E. 4, fws	Chambersburg, Penna.
Hudicka, Andrew, A. 1, f	Nesquehoning, Penna.
Hudson, Charles Crump, Jr., C. 2, fws	Greensboro
Hudson, Henry Pitts, A. 3, fws	Salisbury
Hudson, William Palmer, A. 1, fws	Chapel Hill
Hulme, Francis Pledger, A. 2, fws	Asheville
Humphreys, Robert Dalton, Med. 2, fw	Reidsville
Humphries, John William, A. 1, fws	Clifton Forge, Va.
Humphries, Tom Henderson, C. 2, fws	Asheville
Hunsucker, Kathleen A., P. A. 4, fws	Gibson
Hunt, George Franklin, Jr., C. 1, ws	Wilmington
Hunt, James Wesley, A. 3, f	Oxford
Hunt, Robert Lee, Jr., C. 1, fws	Lattimore
Hunt, Walter Skellie, A. S. 3, fws	Thomasville
Hunter, Charles Marcus, A. 1, fws	Prentiss
Hunter, Hill McIver, Jr., Ch. E. 2, fws	Greensboro
Hunter, John F. C., A. S. 2, s	Magnolia
Hunter, James Scott, Jr., A. 1, fws	Hendersonville

Huntley, Winfred Arlington, Ph. 4, f	Lenoir
Hupman, Richard D., C. 3, f	Mebane
Hurwitz, Norman, C. 1, fws	Clinton
Hussey, Howard Summerell, Jr., A. 1, fws	Tarboro
Hutchins, Alice Norman, A. 4, fws	Winston-Salem
Hutchins, James Alexander, Jr., A. 2, fws	Winston-Salem
Hutchison, Paul Crandall, E. E. 3, fs	Charlotte
Huth, G. Carl David, A. S. 2, f; C. 2, ws	Chicago, Ill.
Hux, George Austin, Jr., A. 3, fws	Halifax
Hyde, Albert Pennington, M. E. 2, fws	New Haven, Conn.
Idol, Jame Wilson, C. 1, fws	Kernersville
Illman, Walter Fenwick, A. S. 2, fws	Greensboro
Ingle, George Ballard, A. 3, fws	Asheville
Ingram, Thomas Cicero, Jr., A. 1, fws	Norwood
Innes, John, Law 1, fs	Rocky Mount
Innes, William Alexander, C. 2, fw	Rocky Mount
Insley, Dorothy Lavinia, Med. 1, fws	North East, Md.
Ireland, John Edward, A. S. 2, f	Amityville, N. Y.
Irwin, Thomas Andrew, C. 3, fs	Altoona, Penna.
Isaacs, Elizabeth Beverly, A. 4, f	Durham
Isaacs, Emory Stuart, C. 1, fws	Durham
Isabell, Katherine Burns, P. A. spec., f	Wake Forest
Ison, Roswell Dare, C. 4, f	Atlanta, Ga.
Israel, Archie George, C. 1, fw	Waterbury, Conn.
Ivey, Alfred Guy, A. 4, fw	Rocky Mount
Ivey, Charles Marshall, Jr., C. 3, fws	Concord
Jackson, Arthur West, Ph. 1, fws	Autryville
Jackson, Don Fletcher, A. 4, fws	Sanford, Fla.
Jackson, Justin Lowe, A. S. 3, fws	Savannah, Ga.
Jacobs, Melvin William, A. 2, fws	Brooklyn, N. Y.
Jacobson, Polly Lea, A. 3, fws	Winston-Salem
Jagar, Eugene Luther, A. 1, fws	Charleston, S. C.
James, David Manley, E. E. 1, f; A. 1, w	Mebane
James, Eloise Mary, A. 4, fws	Durham
James, William Clark, M. E. 1, fw; A. 1, s	Wilmington
James, William Duerr, Jr., A. 1, fws	Hamlet
Jamison, Preston Gibson, M. E. 4, ws	Blairsville, Penna.
Jaramillo, Edward, Jr., C. 4, f	Hendersonville
Jarratt, Augustus Henry, Jr., A. spec., ws	Concord
Jarrell, William Marvin, Law 3, fs	High Point
A.B., 1932, High Point Coll.	
Jarrell, Margaret Hayden, A. S. 1, fws	High Point
Jeanes, Isaac Warner, II, C. 2, fws	Villa Nova, Penna.
Jeffress, Charles Osborne, C. 2, fws	Greensboro
Jeffress, Edwin Bedford, Jr., C. 2, fws	Greensboro
Jenkins, Annie Koonce, A. 3, fws	Chapel Hill
Jenkins, Arthur Miffin, Law 3, fs	New Bern

Jenkins, Evelyn Winfield, P. A. 4, fws	Franklinton
Jenkins, John Robert, Jr., Law 3, fs A.B., 1932, Duke Univ.	Parmele
Jenkins, Robert Lathan, Jr., Ch. E. 3, fws	Statesville
Jenkins, Susan Dorothy, A. 4, fws	Chapel Hill
Jenkins, Virgil B., A. 3, f	Chapel Hill
Jennings, Dudley Lamont, Law 1, f; C. 4, ws	Lumberton
Jennings, Neill Archie, C. 4, fws	Lumberton
Jenrette, Julius Poe, A. 4, fws	Marietta
Jervey, William St. Julian, A. S. 3, fws	Tryon
Jimison, Tom Pearson, Jr., A. 4, fw	Charlotte
Johnson, Bryant Ruben, A. 1, fws	Sanford
Johnson, Elmer Douglas, A. 3, fws	Durham
Johnson, Gaither Fred, Ph. 2, fw	Winston-Salem
Johnson, Hudson, A. 2, f	Apex
Johnson, Ida Flora, A. 4, fws	Elizabeth City
Johnson, Jesse Clark, Ch. E. 2, fws	Statesville
Johnson, John Griffith, C. 2, fws	Winston-Salem
Johnson, John Henry, Jr., C. 3, fws	Wilkesboro
Johnson, Rufus Donzell, C. 4, fws	Four Oaks
Johnson, Tom Urban, A. 3, fws	Bradford, Penna.
Johnson, William Bizzelle, A. 4, fws	Dillon, S. C.
Johnson, William David, M. E. 1, fws	Clayton
Johnson, William Ray, Jr., A. S. 4, fws	Winston-Salem
Johnston, Frances, A. 3, fws	Harrisburg, Penna.
Johnston, Hugh Buckner, Jr., Grad. 1, f; A. spec., ws A.B., 1933, Davidson Coll.	Wilson
Johnston, Richard Blaine, C. 3, fws	North Wilkesboro
Johnston, Southey James, C. 3, fws	Westfield, N. J.
Johnston, William Rogers, A. S. 4, f; Grad., ws	Charlotte
Jonas, John Franklyn, A. 1, fws	Marion
Jones, Andrew Wood Hampton, A. 4, fws	Severn
Jones, Andrew Jeatus, A. S. 1, fws	Varina
Jones, Betsy Rose, P. A. 4, fws	Henderson
Jones, Clayton Earl, E. E. 1, f	Kinston
Jones, Carl White, Med. 2, fws B.S., 1933, Guilford Coll.	High Point
Jones, Eddro Lamont, Ch. E. 1, f	Mount Olive
Jones, Frank Allen, Med. 2, fws A.B., 1930	Cofield
Jones, George Thaddeus, A. 1, fws	Chapel Hill
Jones, James Arthur, E. E. 1, f	Salisbury
Jones, John Lawrence, A. 3, fws	Charlotte
Jones, Ralph Grantham, C. 1, fws	Goldsboro
Jones, Rowland Judson, Jr., A. S. 1, fws	Clinton
Jones, Samuel Wall, C. 1, f	Walnut Cove

Jones, William Eugene, A. 1, fws	Ronda
Jones, Walter Raleigh, Jr., Law 2, fs	Rockingham
A.B., 1934	
Jordan, Clyde Raymond, Jr., A. 3, fws	Elizabethtown
Jordan, Mahlon Kline, Ch. E. 4, fws	Chestnut Hill, Penna.
Jordan, Margaret Nicholson, A. 3, fws	Chapel Hill
Jordan, Rebecca Frances, A. 3, ws	Chapel Hill
Jordan, Welch Oliver, Law 2, fs	Raleigh
A.B., 1933, Emory Univ.	
Jordan, William Stone, Jr., A. 1, fws	Fayetteville
Joyce, Emmett Robert, A. 3, fws	Chicago, Ill.
Joyce, James Alexander, C. 1, fws	Spray
Joyce, Thomas Clifford, C. 1, fws	Spray
Joyner, Edward Cutler, A. 3, fws	Henderson
Joyner, Frank Carl, A. S. 3, ws	Farmville
Joyner, Lottie Lane, Med. 1, fws	Farmville
Joyner, Thomas Eli, Jr., C. 2, fws	Farmville
Julian, Maurice Solomon, A. 1, fw; C. 1, s	Winston-Salem
Juliber, Edward Browne, A. S. 1, fws	Bronx, N. Y.
Jurney, Robert Campbell, Jr., A. S. 1, fws	Winston-Salem
Justice, Francis Thomas, A. 3, fw	Tryon
Justice, John Mitchell, A. 3, ws	Charlotte
Kahn, Berl Maurice, A. 2, f	New Bern
Kahn, Edwin Bernard, Law 2, fs	Roxbury, Mass.
Kahn, Edwin Leonard, A. 2, fws	Charlotte
Kalb, Benjamin Leon, C. 3, fws	New York, N. Y.
Kalb, Milton Kallman, A. 4, fws	New York, N. Y.
Kalmanoff, Irving, A. 1, fws	Woodmere, L. I., N. Y.
Kale, James Edward, Jr., C. 2, fs	Lincolnton
Kallam, Minnie, L. S. 1, fws	Pleasant Garden
A.B., 1929, N. C. College for Women	
Kaluk, Nickolas Steven, E. E. 1, fws	Switchback, W. Va.
Kane, Herbert Cooper, A. 2, fw	Boston, Mass.
Kanner, Lester, C. 1, fws	Hewlett, L. I., N. Y.
Kanner, Murray, A. 2, fw	Sanford, Fla.
Kanoy, Sara Frances, C. 1, ws	Chapel Hill
Kaplan, Alvin Saul, A. 3, fws	Raleigh
Kapp, Constantine Hege, Med. 2, fws	Winston-Salem
Kapp, Henry Hermann, A. S. 3, ws	Winston-Salem
Kasen, Irving, A. 4, fws	Newark, N. J.
Katz, George, A. S. 1, ws	Brooklyn, N. Y.
Katzenstein, Herbert, A. S. 1, ws	Warren Plains
Kavanagh, Donald Joseph, C. 3, fws	Great Neck, N. Y.
Kaveny, Paul Felix, A. 4, fw	Montclair, N. J.
Keats, William Robert, A. 4, fws	Elizabeth City
Kee, Horace Jackson, Ph. 2, fws	Gumberry
Keel, James Walter, Jr., A. 3, fws	Rocky Mount

- Keel, Page Clark, C. 1, fws
 Keeney, Barnaby Conrad, A. 3, fws
 Keeney, Robert Calvin, C. 1, fws
 Kellar, Norman, A. 2, fws
 Kellum, Isaac James, A. 1, fws
 Kelly, John James, Ci. E. 2, fws
 Kelly, Tom Hastings, A. S. 1, fws
 Kenan, Frank Hawkins, C. 4, fws
 Kendrick, Jack Earl, A. 4, fws
 Kendrick, John Whitfield, A. 2, fws
 Kephart, William Perry, M. E. 3, fws
 Kerr, John Edward Homer, A. 1, fw
 Kerr, Langdon Chevis, Jr., A. S. 3, ws
 Kesselman, Samuel, A. 4, fws
 Kiker, Paul Jones, Jr., A. 2, f; Ci. E. 2, ws
 Killingsworth, Joyce, A. 4, fws
 Kind, Philip, Jr., A. 2, fws
 King, Allan Harrison, E. E. 3, fws
 King, Edward Zahn, Jr., C. 2, fws
 King, Lenwood Melvin, C. 1, fw
 King, Odell, C. 3, fws
 Kinney, Elizabeth Alma, A. 3, ws
 King, Walker Winburne, Jr., Ci. E. 4, fws
 Kirby, John Wesley, Jr., Ch. E. 4, fws
 Kirkpatrick, James Weaver, C. 3, fws
 Kirsch, Augustus Vincent, C. 2, fws
 Kirschman, Robert Edward, A. S. 1, fws
 Kirschenbaum, Abraham Mandell, A. 3, fws
 Kirschner, Emanuel, A. 1, f
 Kirven, James Dupont, Jr., C. 1, fws
 Kiser, Glenn Augustus, Ph. 1, fws
 Kisner, Jeremiah, A. 2, fws
 Kittner, Joseph Mordecai, C. 2, fws
 Kleemier, John Augustus, Jr., Law 3, f
 S.B. in Comm., 1932
 Kleiman, Bernard Stanley, A. 3, fws
 Kelin, Louis Coltenhouse, A. 1, fws
 Klingman, John Graydon, C. 2, fws
 Knauff, James William, Jr., C. 1, ws
 Kneeburg, Evelyn Marie, A. 4, w
 Knight, Julian Holt, A. 3, fws
 Knott, Allan Solomon, C. 3, fws
 Koch, George Julian, A. S. 4, fws
 Kogan, Milton, A. S. 2, fws
 Konefal, Anthony Stanley, A. S. 1, fws
 Koonce, Tom Battle, Jr., A. 2, f
 Koontz, Douglas Jerold, C. 2, fws
 Rocky Mount
 Hartford, Conn.
 Athens, Penna.
 Ellenville, N. Y.
 Roper
 Yonkers, N. Y.
 Sylva
 Atlanta, Ga.
 Columbus, Ga.
 Greensboro
 Greensboro
 Savannah, Ga.
 Clinton
 Newark, N. J.
 Wadesboro
 Signal Mountain, Tenn.
 Jenkintown, Penna.
 Bloomfield, N. J.
 Wilmington
 Wilmington
 Chapel Hill
 High Rock
 Greensboro
 Gastonia
 Canton
 Augusta, Ga.
 New Haven, Conn.
 Far Rockaway, N. Y.
 Brooklyn, N. Y.
 Columbus, Ga.
 Bessemer City
 Dorchester, Mass.
 Weldon
 Greensboro
 Baltimore, Md.
 Sea Side Park, N. J.
 Greensboro
 Charlotte
 Portsmouth, Va.
 Greensboro
 Oxford
 Chapel Hill
 Newark, N. J.
 Passaic, N. J.
 Jacksonville
 Welcome

Kornegay, Joseph Thomas, A. 2, fws	Dover
Krasny, Morris, Med. 2, fws	Durham
Kurfees, James Gordon, Med. 1, fws	Chapel Hill
A.B., 1934	
Kuykendall, Edgar Davis, Jr., Law 3, f	Greensboro
A.B., 1932, Davidson Coll.	
LaFalce, Frederick James, A. 3, fws	Newark, N. J.
Lambert, Barnett, C. 1, fws	New York, N. Y.
Lamm, William Thomas, A. 2, fws	Wilson
Land, Beatrice Boyd, P. A. spec., f	New Bern
Landow, Irving, A. 3, fws	New Haven, Conn.
Lane, Hugh Comer, A. 3, fws	Savannah, La.
Lane, Leslie Clute, Jr., A. S. 2, fws	Greensboro
Lane, Sam Patterson, A. S. 3, fws	Sanford
Lang, Mancel Eugene, M. E. 2, fws	Wellsboro, Penna.
Langdon, Benjamin Bruce, Med. 1, fws	Linden
A.B., 1934	
Langsam, Sanford Martin, Med. 1, fws	Far Rockaway, N. Y.
A.B., 1934	
Lansdale, Henry Nelson, A. 3, fws	Frederick, Md.
Larsen, John Rendleman, Ch. E. 1, f; A. 1, ws	Charlotte
Laskey, Joel Irwin, A. S. 1, fws	Lawrence, N. Y.
Lassiter, Henry Aaron, C. 1, fws	Smithfield
Lassiter, Jesse, A. 1, fw	Four Oaks
Lassiter, Will Hardee, Jr., Med. 1, fws	Smithfield
Latta, Huldah G., A. spec., ws	Chapel Hill
LaRoque, Walter Dunn, A. 1, fws	Kinston
Lawing, James Roy, C. 2, fws	Asheville
Lawlor, Lindsay, C. 4, fws	Durham
Lawlor, Nancy Kathryn, A. 3, fws	Durham
Lawrence, Elsie Scott, A. 4, fws	Chapel Hill
Lawrence, Marshall Vance, Jr., C. 1, fws	Durham
Lawther, Thomas Alonzo, Jr., A. S. 2, fw	Wilmington
Laxton, Erwin LeVendre, Ch. E. 4, fws	Charlotte
Layton, James Sexton, A. 2, s	Raleigh
LeGrand, Harry Elwood, A. S. 1, fws	Mebane
Leach, John P., C. 1, ws	Littleton
Leach, Wilbur Cleon, A. 1, fws	Newark, N. J.
Leager, Samuel Richardson, C. 3, fws	Raleigh
Leak, James Alexander, Jr., C. 1, fws	Wadesboro
Leak, John Duncan, Law 2, fs	Wadesboro
A.B., 1934	
Leake, Clarence Elmer, Jr., C. 2, s	Greensboro
Leake, William Stuart, C. 1, fws	Mount Airy
Leath, Thomas Horne, Law 2, fs	Rockingham
A.B., 1927; A.M., 1929	
Ledford, Robert Franklin, A. 1, fws	Charlotte
Lee, Henry Bartley, C. 1, fws	Wilmington

Lee, Milton Owen, Law 3, fs A.B., 1932, Duke Univ.	Lillington
Lee, Virgil Jackson, A. 4, fws	Baltimore, Md.
Lee, Virginia Spearrin, A. S. 1, fws	Lockport, N. Y.
Leeper, Donald Harper, Jr., Med. 1, fws B.S., 1932, Davidson Coll.	Hiddenite
Lefkowitz, Ernest, C. 1, ws	Winston-Salem
Leggett, Percy Ormond, A. 4, fws	Scotland Neck
Leibfried, Milton John, M. E. 2, fws	Freeport, N. Y.
Leight, George Staples, C. 3, fws	Walkertown
Leinwand, Abraham Joseph, C. 2, fws	Whiteville
Lentz, Robert Lee, Jr., C. 1, fws	Morganton
Leon, Fernand Goodrich, A. 2, fw	Irvington, N. Y.
Lessem, Robert Benjamin, A. 3, fws	Fayetteville
Lester, Belford Smith, C. 1, f; A. S. 1, ws	Birmingham, Ala.
Levine, George, A. S. 1, fws	Hempstead, N. Y.
Levine, Ralph, C. 3, fs	Yonkers, N. Y.
Levine, Sidney, A. 2, fws	Melrose, Mass.
Levington, Bessie, A. spec., w	Savannah, Ga.
Levinson, Martin, Law 1, fs A.B. in Educ., 1934	Waterbury, Conn.
Levitan, Walter Morris, A. 4, fws	Boston, Mass.
Levitch, Leonard Sidney, A. S. 2, fws	Asheville
Levitt, Leon Marcus, A. S. 2, s	Brooklyn, N. Y.
Levitt, William Haskell, A. 1, fw	Brooklyn, N. Y.
Lewis, David Edson, A. 2, fws	Lexington, Mass.
Lewis, Henry Wilkins, A. 2, fws	Jackson
Lewis, Jesse Albert, A. 1, fws	Laurinburg
Lewis, John Dortch, A. 2, fws	Goldsboro
Lewis, Robert Guilford, A. 3, ws	Memphis, Tenn.
Lewis, Richard Henry, Jr., C. 4, fws	Oxford
Lewis, William Clyon, Ph. 3, fws	West End
Lewis, Walter Glenn, Med. 1, fws B.A., 1932, Elon Coll.	Altamahaw
Lieberman, Irving Davis, A. 4, fws	Jersey City, N. J.
Lindley, Paul Cameron, C. 2, fws	Greensboro
Lindsay, John Alexander, Jr., A. 1, fws	High Point
Lindsey, Isaac Arthur, Jr., A. 1, fws	Durham
Lineberger, Ruth Eldora, P. A. spec., f	Charlotte
Lineberry, Robert Leon, Ph. 4, s	Pittsboro
Link, Philip F., Ph. 1, fws	Reidsville
Linker, Zebulon Vance, Jr., C. 2, fws	Charlotte
Linn, Tom Latan, Ph. 1, fws	Landis
Linthicum, Willie Vance, A. spec., fws	Chapel Hill
Linville, Roger Wilson, A. 1, fws	Kernersville
Lipschutz, Daniel, Ci. E. 2, fws	Rockaway Park, N. Y.
Lipscomb, Nathan, C. 2, fws	Greensboro

Lipton, Morris Milton, Ch. E. 1, f; C. 1, ws	Wilmington
Litten, Frederic Chapin, Law 1, fs	Lake Charles, La.
Little, Chester Crowell, A. 1, fws	Asheville
Little, James Conrad, E. E. spec., fw	Lincolnton
Liverman, John Hubert, A. 2, f	High Point
Livingston, Paul Hanna, C. 2, fws	Laurel Hill
Llewellyn, John Manning Wyatt, C. 1, fws	Durham
Llewellyn, Kendall Odell, M. E. 1, f	Daytona Beach, Fla.
Llewellyn, Rom Henry, P. A. spec., f	Wilson
Lloyd, Charles Edward, A. 4, fws	Asheville
Lloyd, Edgar Kenneth, C. 1, fw	Chapel Hill
Lloyd, Herman Braxton, C. 1, fws	Chapel Hill
Lloyd, Mary Horton, A. 2, fws	Chapel Hill
Lockhart, Eleanor Ann, A. 3, fws	Durham
Lockhart, John Gaston, C. 1, fws	Durham
Lockhart, Marvin Eugene, Ch. E. 1, fws	Hillsboro
London, Fred Williams, C. 4, fws	Pittsboro
London, William Everett, A. 2, f	Rockingham
Long, Caroline Clements, P. A. 3, f	Statesville
Long, Jefferson Alex, A. 1, fws	Rockingham
Long, James Harold, C. 4, fws	Charlotte
Long, Thomas Sparrow, A. S. 2, fws	Washington
Long, Zeb Vance, Law 3, fs	Statesville
A.B., 1930, Davidson Coll.	
Longest, Frank Alexander, C. 2, fws	Rocky Mount
Loos, M. Louise, L. S. 1, fws	Durham
A.B., 1928, Earlham	
Lorberbaum, Leonard, A. 1, fws	Brooklyn, N. Y.
Lorch, Hubert Ray, C. 2, fw	Albemarle
Love, James Stewart, E. E. 2, fws	Great Neck, N. Y.
Love, James Thomas, C. 1, fw	Durham
Lothian, James Robert, C. 4, fws	Lyndhurst, N. J.
Lovill, Robert Jones, Jr., A. 3, fws	Mt. Airy
Lovitt, Irving Joseph, C. 2, f	Savannah, Ga.
Lowdermilk, Glenn Claude, A. 1, f	Norman
Lowe, Aldred Walter, C. 3, fws	Ahoskie
Lowe, Jack, A. 3, fws	Newark, N. J.
Lube, Henry Jack, M. E. 1, fws	Brooklyn, N. Y.
Lunsky, Henry, C. 4, fws	East Orange, N. J.
Lyerly, Ralph Henry, A. spec., fws	Granite Quarry
Lynch, Jack, C. 2, fws	Uree
Lynch, James Simpson, A. 2, fws	Winston-Salem
Lynch, Levin David, C. 4, fws	Ocean City, Md.
Lynch, Marcus George, C. 3, fws	Raleigh
Lynch, Ridgeway Trimble, C. 2, fws	Asheville
Lynch, William Francis, Ph. 2, fws	Hillsboro
Lyon, Edwin Buchanan, A. 3, fw	Durham

Lyon, O'Henry, Jr., C. 3, f	Plymouth
Lyon, William Pope, C. 1, fws	Smithfield
Lyons, Milton Arthur, Ci. E. 2, fws	West End
Lytle, Samuel Creighton, A. 3, fws	Hamlet
McAdams, Coy Ernest, C. 4, w	Graham
McAdams, Leon Ambrose, A. S. 3, ws	Salisbury
McAllister, Hugh Alexander, Med. 2, fws	Lumberton
B.S., 1931, Davidson Coll.	
McAllister, Joseph Edward, C. 2, fws	Durham
McAnally, Albert Key, A. 3, f; A. S. 3, ws	High Point
McArthur, Francis Stephen, Jr., A. 3, fws	Arlington, N. J.
McBrair, Henry Clay, E. E. 4, fws	Essex Falls, N. J.
McBride, Walter Liddell, C. 1, fws	Charlotte
McCachren, David Downe, A. 4, fw	Charlotte
McCachren, James Roland, A. 3, ws	Charlotte
McCall, Alfred Clarence, M. E. 3, fws	Marion
McCandless, Charles Edward, M. E. 1, fws	High Point
McCarn, Lester Wahava, A. 2, fws	Kannapolis
McCarthy, Edward Francis, A. 1, fw	Northampton, Mass.
McCauley, Annie Lee, A. 3, fws	Carrboro
McCauley, Margaret Belle, A. 4, fws	Baltimore, Md.
McCauley, William Marvin, A. 1, fws	Chapel Hill
McClelland, William Shields, Jr.,	Charlotte
Ci. E. 2, f; A. 2, ws	
McColl, William Charles, Jr., A. 1, fws	Linden
McCollum, Robert Starling, C. 3, fws	Spray
McCollum, William Clarence, A. 3, fws	Madison
McCoy, Reginald Frederick, Ch. E. 1, fws	Laurinburg
McCrary, Thomas Lanten, A. 2, fws	Goldsboro
McCraw, Frances Dancy, A. 3, fws	Fitzgerald, Ga.
McCullen, Joseph Thomas, Jr., A. 2, fw	Clinton
McCurry, Joel Clyde, Med. 2, f	Shelby
McDade, Carl Curtis A. S. 4, fws	Hillsboro
McDaniel, Joseph Stites, A. S. spec., fws	Dover, Dela.
B.S., 1934, Lehigh Univ.	
McDaniel, Nancy Russell, L. S. 1, fws	Chapel Hill
A.B., 1933, Meredith Coll.	
McDevett, Charles William, Jr., A. 1, fws	Kinston
McDevitt, John Burke, Ci. E. 1, fws	Charlotte
McDonald, Frank Hill, A. 1, fws	Hoffman
McDonald, John Hamilton, A. 1, fws	Monroe
McDonald, Margaret Elmore, A. 4, fws	Raleigh
McDonald, Malcolm MacIntyre, M. E. 1, fws	Asheville
McDonald, Thomas Howard, A. 4, fws	Hope Mills
MacDowell, M. DuBose, A. 3, fws	Gaffney, S. C.
MacDowell, Harry Lee, M. E. 2, fws	Scotland Neck
McElwee, Mary, A. 4, ws	Statesville

McFadden, Stuart Pryor, A. S. 1, f; A. 1, ws	Charlotte
MacFarland, George Cyrus, A. 2, fws	Charlotte
McGalliard, Ethel Agnes, A. 1, fws	Chapel Hill
McGalliard, Harry Woodrow, Law 3, s	Chapel Hill
A.B., 1929	
McGirt, Margaret Gainey, A. 1, fws	Chapel Hill
McGirt, Malcolm Roland, A. 1, fw	Chapel Hill
McGlinn, Frank Cresson Potts, A. 2, fws	Wynnewood, Penna.
McGowan, Hugh Algernon, E. E. 2, fws	Wilmington
McGowan, William Tillman, Jr., A. 1, fws	Timmons ville, S. C.
McGuire, Walter Raleigh, Law 1, fs	Asheville
McInnes, Robert Craig, C. 1, fws	Raleigh
McInnis, John, Jr., A. 3, s	Clio, S. C.
McIntosh, Charles Eugene, Jr., A. 1, fws	Chapel Hill
McIntosh, Craig Shuford, A. 4, fws	Chapel Hill
McIver, Charles, C. 2, fws	Greensboro
McIver, Evan Gordon, Jr., C. 4, fws	Durham
McIver, Wallace Gordon, A. 2, fs	Sanford
McKay, Marjorie Jean, A. S. 2, fws	White Plains, N. Y.
McKee, Don Kennedy, A. 2, fws	Chapel Hill
McKee, Ernest Lyndon, Jr., C. 2, fws	Sylva
McKee, James, Ch. E. 2, fw	Raleigh
McKee, Mary Ochse, A. 1, fws	Chapel Hill
McKee, Paul Wakefield, A. 3, fws	Chapel Hill
McKee, William Dill, C. 4, fws	Sylva
McKeithan, Wesley Lawrence, E. E. spec., fws	Fayetteville
McKendry, George Francis, A. 2, fws	New Canaan, Conn.
McKinney, Robert Harold, C. spec., fws	Greensboro
McKinnon, William James, A. S. 3, fws	Maxton
McKoy, Adair Morey, Jr., A. 1, fws	Wilmington
McKoy, Herbert Stacy, A. 4, fws	Dunn
McLamb, George Thomas, Med. 1, fws	Roseboro
McLean, George Woodrow, Ph. 3, fws	Raeford
McLean, William Deroy, Jr., C. 1, fws	Asheville
McLean, William Roger, C. 2, fw	Eagle Springs
McLendon, Walter Jones, A. S. 3, fws	Kenansville
McLeod, Alexander Hamilton, Jr., A. 3, fws	Lumberton
McManeus, Robert Taylor, C. 1, fws	Charlotte
McMichael, Dalton Larkin, C. 3, fws	Wentworth
McMillan, Albert Slocomb, A. 3, fws	Black Mountain
McMillan, Roscoe Drake, Jr., C. 4, f	Red Springs
McMillan, Robert Monroe, Med. 1, fws	Candor
A.B., 1934	
McMullan, Harry, Jr., A. 2, fws	Washington
McMullan, Patricia Mary, A. 4, fw; Grad., s	Washington
McNair, William Edward, A. 4, fws	Latta, S. C.
McNairy, Wyatt Hamilton, Ci. E. 4, fws	Greensboro

McNeill, James Strange, A. 2, fws	Fayetteville
McNulty, Charles Francis, C. 1, fws	Rockaway Beach, N. Y.
McRae, John Albert, Jr., A. 1, fws	Charlotte
McWhirter, Jack Nichols, A. S. 1, f	Shelby
Macdonald, William Kerr, Jr., C. 1, fws	Woodmere, N. Y.
Macphee, John Arthur, A. 3, fws	Brooklyn, N. Y.
Madry, Ernest Oscar, C. 4, fws	Scotland Neck
Mace, William Arendell, Law 1, fs	Beaufort
Maffit, Ben Crew, Jr., C. 1, fws	Charlotte
Magill, Robert Nathaniel, A. 1, fws	Shanghai, China
Maglione, Harry Bert, A. 1, f	Newark, N. J.
Maher, Thomas Francis, Jr., C. 2, f	Radburn, N. J.
Mahoney, Gaillard, A. 1, f; A. S. 1, w	Monroe
Malanga, George Anthony, A. 1, f	Newark, N. J.
Mallard, John Franklin, C. 1, fws	Trenton
Mallison, William Charles, Ch. E. 1, fws	Washington
Mallonee, James David, Jr., Law 1, fs	Murphy
Malone, William Herbert, E. E. 1, f	Wilson
Mangum, Adolphus M., Ci. E. 1, fws	Franklin
Manley, Leo Henry, C. 4, fws	Asheville
Mann, Malcolm Lester, C. 1, fws	Durham
Manning, Charles Stevens, A. 1, fws	Sumter, S. C.
Manning, Howard Edwards, Law 1, fs	Chapel Hill
Manning, John Taylor, Law 2, fs	Chapel Hill
A.B., 1933	
Mansel, Elizabeth Hammond, P. A. 3, ws	Williamsport, Penna.
Marion, Duke Lazarus, Jr., C. 1, fws	Carthage
Mark, Alexander, A. 3, fws	Newark, N. J.
Markham, Donald William, Law 2, fs	Earlville, N. Y.
A.B., 1931, Colgate Univ.	
Markham, William Sater, Jr., Law 3, fs	Durham
A.B., 1934	
Marlowe, William Otis, Jr., A. 4, fws	Draper
Marsh, John Arthur, E. E. 2, fws	High Point
Marshall, James, M. E. 3, fws	Radburn, N. J.
Martin, Claude Cleveland, Jr., C. 2, fws	Charlotte
Martin, Edward Watts, A. 4, fws	Tarboro
Martin, James Drew, Jr., A. 1, fws	Mount Airy
Martin, Jack Sargent, A. 1, fws	Mount Airy
Mason, Frederick Hunter, A. 1, fw	Belleville, N. J.
Mason, Joe Brown, Law 2, fs	Mebane
Mason, Wilton Elman, Jr., A. 2, fws	Greenville, S. C.
Mason, Yates Webb, A. 2, fws	Gastonia
Massengill, Milton Edwin, C. 1, fws	Angier
Massey, Richardine, A. 3, f	Birmingham, Ala.
Matthews, Henry Steadman, A. S. 3, fws	Rose Hill
Matthews, John Ivey, Ph. 2, fws	Rose Hill

Matthews, John Lindsey, Jr., A. 1, fws	Rocky Mount
Matthews, Thomas Patrick, A. 3, fw	Matthews
Matthews, Walter Foust, Jr., Ph. 4, fws	Randleman
Mauney, Jesse Lloyd, A. 4, fws	Shelby
Maupin, Armistead Jones, Jr., A. 3, ws	Raleigh
Mauter, William Joseph, C. 1, fws	Statesville
Maxwell, Hugh Durwood, Jr., A. 3, fws	Pink Hill
May, Aaron, C. 1, fws	Wilmington
May, Henry Garvin, C. 4, fws	Burlington
May, John Sharpe, C. 4, fws	Burlington
May, Richard Huddleston, C. 1, fws	McKeesport, Penna.
Maynard, Christine Millar, A. S. 2, f; A. 2, ws	Kinston
Maynard, Julian Decatur, M. E. 4, fws	Chapel Hill
Maynard, Robert Edwin, C. 2, fws	Harrisburg, Penna.
Mazur, Stephen Henry, A. 1, fws	Newark, N. J.
Means, Paul Barringer, Jr., A. S. 1, fws	Trenton, N. J.
Mears, Kenneth Marion, Jr., Ch. E. 1, ws	Chapel Hill
Mebane, Cummins Aiken, C. 3, fws	Chapel Hill
Mebane, Esther Hamilton, A. 1, fws	Chapel Hill
Mebane, John Gilmer, A. 3, fws	Chapel Hill
Medynski, Julius, C. 2, fws	Newark, N. J.
Meekins, Gaston Lee, A. 2, f	Manteo
Mehaffy, James William, A. 4, fws	Little Rock, Ark.
Mehlman, Marvin, C. 1, fws	New York, N. Y.
Melvin, Charles Preston, A. S. 1, fw	Elizabethtown
Melvin, James Stuart, A. 3, fws	Linden
Melvin, Lionel Dane, A. 2, f	Elizabethtown
Melvin, Lee Frankel, Jr., C. 1, fws	Wilmington, Delaware
Mengel, Ruth Eleanor, A. 1, fws	Chapel Hill
Mercer, Grady, Law 2, fs	Beulaville
A.B., 1931	
Meroney, David Welch, C. 1, fws	Greensboro
Merrifield, George Edward, Jr., A. 1, fws	Cleveland, Ohio
Merritt, James Eric, Jr., Law 1, f	Chapel Hill
A.B., 1927	
Merritt, John Hamlett, Jr., A. 1, fws	Woodsdale
Merritt, Royal Lonnie, A. 1, fw	Burlington
Metts, John Van Buren, Jr., C. 2, f	Raleigh
Metzenthin, Eric Proctor, A. 4, fws	Chapel Hill
Mewborn, George Lemuel, Jr., C. 1, fws	Snow Hill
Mewborne, John Franklin, C. 4, fw	Kinston
Meyer, Julien Herman, Med. 2, fws	Enfield
Mickey, Paul Fogle, Law 1, fs	Winston-Salem
Miles, Elias Scott, Jr., A. 2, fw	Essex Fells, N. J.
Miles, William Alexander, Jr., C. 1, fws	Warrenton
Millaway, Beverly Kyle, C. 3, fws	Winston-Salem
Miller, Frank Brown, C. spec., s	Charlotte

Miller, Frank Voorheis, Ch. E. 4, fws	Chapel Hill
Miller, Harry Brown, Ch. E. 3, fws	Charlotte
Miller, Hal Curtis, Jr., A. 4, fws	Atlanta, Ga.
Miller, James Alfred, M. E. 2, fws	Wilmington
Miller, John Marion, A. 4, s	Savannah, Ga.
Miller, Leonard Wallace, C. 1, fws	Brooklyn, N. Y.
Miller, Raymond Alfred, M. E. 4, fws	Call
Miller, Thomas Davis, C. 3, f	Wilson
Miller, Willard Ivan, A. 1, fws	Rocky Mount
Miller, William Marshall, A. 1, fws	Greensboro
Millis, Archie Edward, Ph. 3, fws	Falkstone
Millis, William Brooks, C. 1, fws	High Point
Mills, Hugh Harrison, A. 4, fws	Bridgewater
Mills, Wardell Hardee, A. 3, fws	Greenville
Miner, Nathan, A. 4, fws	Brooklyn, N. Y.
Minor, William Thomas, Jr., Law 2, fs	Charlotte
Mitchell, Billy Sunday, C. 1, fws	Aulander
Mitchell, Henry Lester, C. 2, f	Draper
Mitchell, John D., Ph. 4, fws	Piney Creek
Mitchell, Landis Patterson, Jr., Med. 1, fws	Spray
Mitchell, Richard Morton, Jr., C. 1, fws	Greensboro
Mitchell, William Covington, A. 2, f	Greensboro
Mitchener, John Agrippa, Jr., Ph. 3, fws	Edenton
Mizelle, James Isaac, Jr., A. 2, fws	Newport
Monica, Louis Albert, A. S. 3, fws	West Orange, N. J.
Monroe, Leonidas Alexander, Ph. 1, f	Fayetteville
Montgomery, Harry Howard, C. 3, fws	Tarentum, Penna.
Montgomery, James Cranford, C. 3, fws	High Point
Montsinger, Vincent Melenchthon, A. S. 1, fws	Pittsfield, Mass.
Moore, Anne Hyman, A. spec., ws	Snow Hill
Moore, Andrew Taylor, C. 3, fws	Scotland Neck
Moore, Claude Hunter, A. 2, fws	Turkey
Moore, George Albert, C. 4, fws	Wheeling, W. Va.
Moore, John P., Ci. E. 1, f; C. 1, ws	Durham
Moore, Maggie Lou, Ph. 1, fws	Rocky Mount
Moore, Mildred, A. 3, fws	Franklin
Moore, Mildred M., P. A. 3, fws	Cary
Moore, Norman Foerster, A. 2, f	Bethel
Moore, Roger Crawford, A. 2, f	Littleton
Moore, Robert Patterson, A. 4, fws	Statesville
Moore, William Julius, C. 3, fws	Wheeling, W. Va.
Mooring, Hattie Belle, P. A. 4, f	Chapel Hill
Moose, Margaret Rebekah, Ph. 4, ws	Mt. Pleasant
Morgan, Edward Alford, Law 1, fs	Marion
B.S., 1934, The Citadel	
Morgan, James Rayford, C. 1, fw	Apex
Morgan, Ralph Siler, A. S. 2, ws	Penland

Moritz, Carl Hubert, M. E. 1, f	Enka
Morris, James Harris, A. 4, fws	Hendersonville
Morris, Lewis Speight, A. 3, fws	Salisbury
Morris, Parker William, C. 2, fws	New Bern
Morrison, Brame Perry, C. 2, fs	Wilson
Morrison, Wilfred Campbell, Ci. E. 4, f	Brooklyn, N. Y.
Morrison, William Harvey, Jr., C. 2, fws	Monroe
Moseley, Preston Wooten, C. 2, fws	Kinston
Moser, William Lex, A. 4, fws	Charlotte
Mosier, David Willis, A. 3, fws	Englewood, N. J.
Moskowitz, Seymour, A. 1, fws	Wilmington
Moss, Joel Merriman, A. S. 1, fw	Storrs, Conn.
Motley, Elliot Rector, A. S. 3, fws	Charlotte
Motsinger, Madison Eugene, Jr., A. 2, f	Winston-Salem
Mowry, Arthur Smith, Jr., Ch. E. 4, fws	Chapel Hill
Moye, Joseph Whitehead, A. 2, fws	Raleigh
Moyer, Edward Francis, A. 3, fws	West Hartford, Conn.
Mulene, Patrick Regia, A. 1, fws	Hewlett, L. I., N. Y.
Mullen, Robert Vincent, A. 1, fws	River Forest, Ill.
Muller, John Ramsay, A. 1, fw	Philadelphia, Penna.
Mullis, Clyde Edmond, C. 1, fws	Charlotte
Munch, John Frederick, A. 3, fws	Chapel Hill
Munch, Margaret Esther, A. 1, fws	Chapel Hill
Munyan, John Irvin, C. 3, fws	High Point
Murchison, Ellen Alice, A. 4, fws	Rocky Mount
Murphy, John Carpenter, Jr., A. 3, ws	Waynesville
Murnick, Joe Harold, A. S. 2, f; C. 2, ws	Charlotte
Murray, Grover Elmer, Jr., A. S. 2, fws	Newton
Murray, William Benjamin, Jr., C. 3, fws	Kenansville
Murrell, Harry Thomas, Ph. 3, fws	Durham
Myers, Bruce, E. E. 1, f	Southmont
Myers, David Moffat, II, A. 3, fws	Cos Cob, Conn.
Myers, Richard Carl, A. 3, fws	East Orange, N. J.
Myers, Ralph Davis, A. 4, s	Effingham, S. C.
Myers, Thomas Engelhard, Jr., A. 1, fws	Charleston, S. C.
Myrick, John Freeman, M. E. 2, fws	Greensboro
Nachtmann, Robert, A. 1, fws	Webster Groves, Mo.
Naff, William Hardie, Ch. E. 2, fw	Charlotte
Nahikian, Robert Levon, A. 1, fw	West Asheville
Napier, Bennett, Jr., E. E. 2, f	Rockingham
Napier, Elizabeth Dixon, A. spec., fws	Chapel Hill
Neal, Albert Malone, C. 2, fws	Marion
Neal, John McDonald, C. 2, f	Marion
Neaves, Samuel Avery, C. 2, fws	Elkin
Neel, Robert Monroe, Ch. E. 3, fws	Charlotte
Neely, Frank Wilson, A. 1, fws	Hendersonville
Neiser, Joseph Bert, Ci. E. 2, f	Oxford, Ohio

Nelson, Melvin, C. 3, fws	Yonkers, N. Y.
Neville, Ben Holland, Law 1, fs	Whitakers
A.B., 1932	
Neville, William Strowd, C. 1, fws	Chapel Hill
Newsom, Tempe Garrett, P. A. 3, f; A. 3, ws	Durham
Nicholson, Charles Peyton, A. S. 2, fws	Pottstown, Penna.
Nicholson, Harold Linneous, Ch. E. 3, fws	Greensboro
Niven, Olin, Jr., A. 4, fws	Waxhaw
Noell, Charles Edwards, Jr., C. 2, fw; A. 2, s	Durham
Norman, Dorothy Faye, Med. 2, fws	Hickory
A.B., 1934, Lenoir-Rhyne Coll.	
Norman, Narcissus Ann, A. 3, fws	Hickory
Norment, Robert Lansing, A. S. 3, fws	Rowland
Northercross, Samuel Houston, A. 3, fws	Asheville
Noules, George Thomas, Ch. E. 3, fw	Wilson
Novich, Emanuel Aaron, A. S. 3, fws	Yonkers, N. Y.
Novich, Max Mordecai, A. S. 2, fws	Newark, N. J.
Noyes, Joseph L., C. 1, fws	Marion
Nye, Kemp Battle, Ph. 1, fw; A. 1, s	Grassy Creek
O'Brien, Thomas Francis, C. 1, fws	Brooklyn, N. Y.
O'Brient, Marjorie Ann, A. 3, ws	Durham
O'Connell, Thomas Courtney, A. 1, fws	Fort Bragg
O'Flaherty, Thomas Joseph, A. 2, fw	Charlotte
O'Hanlon, George Atkins, Jr., Law 3, fs	Fayetteville
B.S., 1932, Davidson Coll.	
O'Herron, Edward Michael, Jr., C. 1, fws	Charlotte
Oakley, Walter Weckerle, Jr., A. 4, fw	Corning, N. Y.
Oates, Charles Calvin, M. E. 3, f	Kings Mountain
Oates, Charles Clisby, Jr., Ph. 1, fws	Hendersonville
Oettinger, Josephine, A. 3, fws	Wilson
Ogburn, John Fred, Jr., A. 3, fws	Winston-Salem
Oglesby, David Ervin, Jr., C. 2, fws	Farmville
Old, Bruce Scott, Ch. E. 4, f; Grad., ws	Brooklyn, N. Y.
Old, William Thomas, Jr., A. 4, fw	Elizabeth City
Olive, Lindsay Shepherd, A. S. 1, fw	Apex
Oliver, David, C. 2, fws	Wilmington
Oliver, Edward, C. 1, fw	Statesville
Olmsted, Margaret Ellen, A. 4, fws	Southern Pines
Olmsted, Warren Fizzell, Law 3, f	Southern Pines
A.B., 1934	
Onasch, Paul Lowrey, Ci. E. 4, fws	Brooklyn, N. Y.
Ormond, Ralph Hawes, A. 2, f	Dover
Orzack, Edward Seymour, A. 1, fws	New York, N. Y.
Osborn, Jack Weldon, C. 1, fws	Libertyville, Ill.
Osborn, Kaleb Daws, M. E. 2, fws	Chapel Hill
Osborne, Arthur Howard, C. 1, fws	North Wilkesboro
Osterheld, Hubert Francis, C. 2, fws	Amityville, N. Y.

- Ostrow, Lester, A. 3, fws
 Ott, Jesse Houston, C. 1, fws
 Outlaw, Edward Groves, E. E. 1, fws
 Owens, Nelle Elvira, P. A. spec., f
 Page, Alvah Monroe, C. 3, f
 Page, Clarence Eugene, Jr., Ph. 1, fws
 Page, Fred Carlisle, Jr., C. 2, fws
 Page, Henry Eustace, A. 3, fws
 Page, Joseph Daniel, C. 2, ws
 Page, Owen Hendricks, A. 2, fws
 Page, Robert Claude, Jr., A. 3, fws
 Page, Sallie Antoinette, A. 1, fws
 Palmer, Edward John, C. 1, fws
 Palmer, Gudger Yost, C. 4, fws
 Palmer, Jefferson Davis, C. 1, fws
 Pardi, Joseph Angelo, A. 1, fws
 Parker, Billy Ben, E. E. 4, fws
 Parker, David Henry, C. 1, fws
 Parker, Ezra Alphonso, A. 3, fws
 Parker, Frank Marion, Law 2, fs
 A.B., 1934
 Parker, Herman Manley, A. 4, fws
 Parker, Jesse Coe, Jr., A. 3, fws
 Parker, John Johnston, Jr., A. 2, fws
 Parker, James Moore, C. 1, fws
 Parker, Linus Marcellus, A. 3, fws
 Parker, Max F., A. S. 2, fws
 Parker, Minnie Feral, Ph. 1, fws
 Parker, Philip Goddard, A. 3, fw
 Parker, Samuel Lester, Jr., A. S. 1, fws
 Parker, Stewart Redfield, A. 1, fws
 Parker, Wylie Fort, A. 3, fws
 Parker, Simpson Martin, Jr. A. S. 3 s
 Parks, George Reid, C. 4, fws
 Parks, Owen Tracy, Jr., C. 4, fws
 Parnell, Robert Isham, A. 1, fws
 Parrish, Fred Mortimer, A. 1, fws
 Parrish, Leslie Leamon, A. spec., s
 Parrott, James Marion, Jr., A. 3, fw
 Parsons, Pleasant Arrand, Jr., A. 1, fws
 Parsons, Thomas Leake, Law 2, fs
 Partin, Willard Benson, C. 1, f
 Patrick, George Branch, A. S. 1, fws
 Patterson, Clarence Edward, A. S. 2, f
 Patterson, Fred Geer, Med. 2, fws
 A.B., 1933
 Patterson, Furnifold McLendel Simmons,
 A. 4, fws
- Newark, N. J.
 Goldsboro
 Goldsboro
 Fountain
 Trenton
 Henderson
 Asheboro
 East Haddam, Conn.
 Chapel Hill
 Rocky Mount
 Charlotte
 Chapel Hill
 Rushland, Penna.
 Charlotte
 Warrenton
 Brooklyn, N. Y.
 Monroe
 Benson
 Benson
 Asheville

 Vass
 Wilmington
 Charlotte
 Raleigh
 Raleigh
 Monroe
 Clayton
 Reading, Mass.
 Pinetops
 Garden City, N. Y.
 Goldsboro
 Charleston, S. C.
 Forest City
 Hallison
 Lumberton
 Winston-Salem
 Carrboro
 Kinston
 Ellerbe
 Rockingham
 Chapel Hill
 Durham
 Houstonville
 Chapel Hill

 New Bern

Patterson, Hubert Clifton, Med. 2, fws	Albemarle
Patterson, Joseph Flanner, Jr., A. 1, fws	New Bern
Patterson, Neil Theron, A. 2, fw	Chapel Hill
Patton, Dora Quincy, P. A. spec., f	Brevard
Pavlakis, John, C. 2, fws	Chapel Hill
Peacock, Edwin Bruton, Law 1, fs	Fremont
S.B. in Comm., 1934	
Peacock, James Edward, A. S. 1, fws	Fremont
Peacock, John Hadley, A. 1, fws	Wilson
Peacock, William Sawyer, C. 3, fws	Chapel Hill
Pearlstine, Morton, Law 1, f	Charlotte
Pearsall, Eugene Andrew, Ch. E. 3, fws	Greensboro
Pearson, George Wilson, Jr., Ci. E. 4, f	Chapel Hill
Pearson, Henry Charles, A. 4, fws	Kinston
Peck, Robert Hilles, Ci. E. 3, fws	Morristown, N. J.
Peebles, John Blodgett, Ch. E. 1, fws	Chapel Hill
Peebles, Julia Bowen, A. 1, fws	Chapel Hill
Peed, Carl Lea, C. 2, fws	Durham
Peele, Courtney Wooten, A. 3, f	La Grange
Peele, Grayce Boyns, A. 3, fws	Rich Square
Peele, James Clarendon, Med. 2, fws	La Grange
A.B., 1932	
Peeler, Lewis Albert, C. 4, fws	Salisbury
Peery, Donald Lee, A. 3, f	Raleigh
Peiffer, Carl David, C. 1, fws	Wilmington
Pendergraft, Paul Dean, C. 2, fws	Chapel Hill
Penn, Charles Ashby, Jr., Law 2, fs	Reidsville
Percy, Leroy Pratt, A. 1, fws	Greenville, Miss.
Percy, Walker, A. 2, fws	Greenville, Miss.
Perry, Alfred Winton, A. 1, fws	Franklin
Perkins, Robert Theodore, A. 1, fws	Morganton
Perryman, Olin Charles, Jr., A. S. 2, fws	Winston-Salem
Person, James Bryant, C. 4, f	Selma
Person, Lydia Amy, A. 4, fws	Louisburg
Peterson, Everett Lindsay, C. 2, ws	Clinton
Petrea, Oscar Adolphus, Jr., Ch. E. 1, fws	Lexington
Petree, Walter Mitchell, A. S. 1, fws	Danbury
Petty, Alvis Brooks, A. 3, fws	Pittsboro
Petrillo, John Anthony, A. 4, fws	Mount Vernon, N. Y.
Phifer, Edward William, Med. 2, fws	Morganton
A.B., 1932, Davidson Coll.	
Phillips, Jesse Kemp, A. S. 1, fws	Middlesex
Phillips, Guy Berryman, Jr., C. 1, fws	Greensboro
Phillips, William Gates, E. E. 1, fws	Huntsville, Texas
Physioc, John Underwood, A. S. 1, f	Littleton
Pickard, David Edwin, C. 2, fws	Lexington
Pickard, Henry Mack, Med. 2, fws	Wilmington

- Pickard, John Gilbert, Ch. E. 1, fws
 Pickett, Aubrey Mangum, C. 4, ws
 Pickett, Claude Joseph, A. 3, fws
 Pigford, Robert Toms, A. S. 3, fws
 Pijanowski, Walter Joseph, A. S. 3, fws
 Pike, Mary Nancy, Ph. 3, fws
 Pinkham, Jesse Randolph, M. E. 2, fws
 Pitts, John Joel, Jr., C. 1, fws
 Pleasant, Willard Corbitt, C. 1, fws
 Pitt, William Calvin, C. 4, fws
 Poe, Charles Aycock, A. 4, fws
 Poindexter, James Edward, A. 2, fws
 Polinski, Joseph John, Ch. E. 1, f
 Polisar, Robert Saul, A. 1, s
 Pollock, Raymond, A. S. 1, fws
 Pollock, Theodore, Med. 1, fw
 Pool, Rufus A. Jack, P. A. 4, fws
 Poole, Rosalie Helen, A. S. 1, fws
 Poole, Walter Roy, C. 2, ws
 Pope, Donald Butler, A. 4, fws
 Pope, Marcellus, Jr., Ph. 1, fw; C. 1, s
 Porter, Edward Griffith, Jr., Ci. E. 1, fw
 Poteat, James Paul, A. 1, fws
 Potter, Bertram Lewis, A. 1, fws
 Potts, Mary Catharine, A. 3, f
 Potts, Ramsay Douglas, Jr., C. 1, fws
 Powell, Julius Benjamin, A. S. 3, fws
 Powell, Joe Harlee, C. 1, fws
 Powell, Nicholas Holmes, Law 1, fs
 Powers, Owen Meredith, Jr., A. 1, fws
 Powers, Thelma Barnhardt, A. 4, fws
 Pratt, Charles Alexander, A. 4, f
 Pratt, Ellis Carl, L. S. 1, s
 A.B., 1934, Duke Univ.
 Pressly, John Sloan, Ph. 1, fws
 Price, James Hurley, A. S. 1, fw
 Pridgen, Gertrude Mae, A. 3, fws
 Priestley, William, Jr., Ci. E. 2^o, fws
 Primrose, Hugh Williams, C. 3, fws
 Privette, William Garland, Ch. E. 4, fs
 Prouty, Chilton Eaton, A. S. 3, fws
 Prouty, William Walker, A. 3, f
 Pruden, Jack McMullan, Ci. E. 4, fws
 Prud'hommeaux, René Maurice, A. 4, fws
 Puckett, Lewis Sherrill, A. 3, fws
 Puig, George Oscar, A. S. 1, fws
 Puig, Robert Pelegrin, A. S. 1, fw
 Wilmington
 Durham
 Spencer
 Wilmington
 Schenectady, N. Y.
 Concord
 Washington
 Spring Hope
 Angier
 Tarboro
 Raleigh
 Warrenton
 Plains, Penna.
 Brooklyn, N. Y.
 New Bern
 Guilford College
 Raleign
 Dunn
 Rocky Mount
 Ann Arbor, Mich.
 Enfield
 Goldsboro
 Richmond, Va.
 New York, N. Y.
 Davidson
 Memphis, Tenn.
 Clinton
 Florence, S. C.
 Leonia, N. J.
 Fayetteville
 Bennettsville, S. C.
 Greensboro
 Winston-Salem
 Goldsboro
 Kannapolis
 Chapel Hill
 Neptune, N. J.
 Richmond, Va.
 Chapel Hill
 Chapel Hill
 Chapel Hill
 Edenton
 New Canaan, Conn.
 Asheville
 Havana, Cuba
 Havana, Cuba

Purcell, David Craig, Ph. 4, fws	Salisbury
Purrington, Philip Parker, Law spec., f	Enfield
Pullen, Florence Virginia, A. 1, fw	Chapel Hill
Putnam, Taft Spurgeon, A. 4, fw	Shelby
Putney, Robert Hubbard, Jr., A. S. 1, fws	Elm City
Quarles, James Norment, A. 4, s	Hendersonville
Queen, James Shook, Law 1, fs	Waynesville
A.B., 1934	
Query, Robert Mott, E. E. 4, fws	Charlotte
Quigley, Kathryn Teresa, A. 3, fws	Oak Park, Ill.
Rabb, Stuart White, A. 1, fws	Lexington
Rachide, Joseph John, C. 1, fws	New Bern
Radjunas, Stanley Edward, A. 1, f	New Britain, Conn.
Rainey, John Marion, C. 2, f	Asheville
Ramsay, John Ervin, C. 1, fws	Salisbury
Ramsay, Robert Erskine, C. 2, fws	Daytona Beach, Fla.
Ramsey, Frank Paul, C. 2, fw	Chapel Hill
Rancke, Henry Charles, A. 4, fw	Rockingham
Rand, Hubert Hinton, C. 4, fws	Garner
Raney, Julian Hines, C. 4, fws	Chapel Hill
Rankin, Claude Wharton, Jr., C. 3, fws	Fayetteville
Rankin, Edward Ray, C. 1, f	China Grove
Rankin, Pinkney Ray, Law, spec., fs	Wilmington
Ranson, Dallas Jack, A. 2, w	Huntersville
Raper, Emery Elisha, C. 2, fws	Lexington
Rapport, Leonard Arnold, A. 4, fws	Asheville
Raspberry, Edwin Albert, Jr., A. 2, fws	Snow Hill
Raspberry, Francis Pugh, C. 1, fws	Kinston
Rawls, Charles Taylor, C. 4, fws	Asheville
Ray, John Clifford, C. 4, fws	Hillsboro
Ray, J. Marvin, A. 2, f; C. 2, ws	Teer
Ray, Robert Marsh, Jr., C. 1, fws	Oxford
Ray, William Harris, C. 3, fws	Sanford
Read, Nicholas Cabell, A. 1, fws	Montgomery, Ala.
Readling, William Martin, C. 1, fws	Davidson
Reagan, Lewis Sentelle, C. 4, fws	Statesville
Reaves, Hallie Craven, Ph. 3, fws	Raeford
Reaves, Richard Right, Ch. E. 3, f	*Roanoke Rapids
Redfern, George Alexander, A. 1, fws	Hoffman
Reed, Clyde Sydney, Jr., C. 2, fws	Biltmore
Reed, Ray Campbell, A. 1, f	Mount Airy
Reed, William Inman, C. spec., fws	Burlington, Vermont
Reeves, William Raymond, C. 2, f; A. 2, ws	West Englewood, N. J.
Rehm, Edward Lawrence, Jr., C. 3, fws	Upper Montclair, N. J.
Reid, Charles Hamilton, Jr.,	Winston-Salem
Ch. E. 1, f; A. S. 1, ws	
Reid, Lola Carolyn, A. S. 2, fws	Charlotte

Reid, William Lewis, Jr., A. 3, fws	Winston-Salem
Reinhardt, Lee Moss, Ph. 3, fw	Forest City
Reinhart, Ralph Sherman, A. S. 3, f	Altoona, Penna.
Reister, Ruby, P. A. spec., f	Asheville
Rennie, James Malcolm, M. E. 4, fws	Richmond, Va.
Ressler, Hubert Bertram, A. 3, fws	Yonkers, N. Y.
Reynolds, Paul Barnhardt, E. E. 1, fws	Salisbury
Reynolds, Robert Rice, Jr., Law 2, fs	Asheville
A.B., 1934	
Rhoades, George, A. 3, fws	Sharon, Conn.
Rhodes, Claude Morris, C. 3, fws	Hendersonville
Rhodes, James Slade, Jr., A. S. 3, f	Williamston
Rhyne, Robert Yoder, A. S. 3, fws	Gastonia
Riccardi, Louis Salvatore, A. 4, fws	Brooklyn, N. Y.
Rice, Glenn Andrew, C. 1, fws	Reidsville
Rice, Harold, A. S. 1, f	Bronx, N. Y.
Richardson, David Ray, A. 1, fws	Flushing, N. Y.
Richardson, Ernest Christopher, A. S. 1, fws	New Bern
Richardson, Lee, C. 4, fs	Atlanta, Ga.
Richardson, Robert B., C. 3, fw	Reidsville
Riddle, Harry Lee, Jr., A. 4, fws	Morganton
Riddle, Janie O. Hunt, A. 1, fws	Chapel Hill
Ridenhour, William Layton, E. E. 4, f; Grad., w	Hickory
Riggs, Harry Edward, C. 4, fws	Lenoir
Riggsbee, Bruce Howard, C. 2, f	Carrboro
Rigsbee, Mildred Ruth, A. 1, s	Durham
Rigsbee, Raymond Lee, A. S. 2, fws	Durham
Ritchie, Howard Raymond, C. 4, fw	High Point
Rivers, Joseph Tomlinson, Jr., M. E. 1, f	Savannah, Ga.
Robbins, Harold Edward, Jr., M. E. 3, fws	Norwich, Conn.
Roberson, Clara Cunningham, C. 2, fws	Durham
Roberts, Marie, A. 3, s	Marshall
Roberts, Samuel Irving, A. 3, fws	Bridgeport, Conn.
Robertson, Joe Henry, A. 1, fws	Bixby
Robertson, Durant Waite, Jr., A. 4, fws	Rutherford, N. J.
Robertson, Seth Windsor, Jr., C. 3, f	Fayetteville
Robeson, William Bartram, Jr., C. 4, fws	Red Springs
Robinson, Blackwell Pierce, A. 2, fws	Weldon
Robinson, Charles David, C. 1, fws	Candor
Robinson, Donald James, A. S. 2, fws	Weaverville
Robinson, Gordon Charles, C. 1, fws	Stamford, Ontario
Robinson, Joe Hull, C. 4, fws	Ansonville
Robinson, Percy Watkins, C. 3, fws	Ansonville
Robinson, Thomas Jefferson, C. 4, f	Morven
Rogers, Gayle, Ci. E. 3, f	Charlotte
Rodgers, Herbert Blair, C. 1, f	Birmingham, Ala.
Rodman, Clark, A. S. 1, fws	Washington

Rodman, Owen Guion, C. 2, fs	Washington
Rodman, William Blount, Law 1, fs	Washington
Rogers, Charles Palmer, C. 2, fws	Sanford
Rogers, Ernest Thurston, A. 1, fws	Stem
Rogers, Frank Benjamin, Jr., A. 1, fws	Bennettsville, S. C.
Rogers, Frank Bloodworth, A. 3, fws	Rome, Ga.
Rogers, James Mathew, A. 4, fws	Asheville
Rommel, Frank Bechman, A. 3, fws	Rochester, Minn.
Rooker, Randolph Macon, A. 3, fws	Norlina
Rorison, Brainard Blanton, C. 4, fws	Asheville
Rose, Charles G., Jr., Law 2, fs	Fayetteville
A.B., 1933	
Rose, Eliza Evans, C. 2, fws	Chapel Hill
Rose, William Barrett, Jr., Ch. E. 4, fws	Wadesboro
Rosenbaum, Herman Jack, A. 1, fws	Belmar, N. J.
Rosenberg, Harry, Jr., A. 1, fws	New York, N. Y.
Rosenthal, Robert Jonathan, A. 2, fws	Troy, N. Y.
Ross, Frank Howard, C. 1, fws	Charlotte
Ross, Jane Amelia, A. 2, fws	Charlotte
Ross, Laura Eugenia, Med. 1, fws	Charlotte
A.B., 1934	
Ross, Mary Anna, A. 3, fws	Winston-Salem
Ross, Margaret Lynch, A. 4, fws	Winston-Salem
Ross, Neville Elletth, C. 2, fws	Chapel Hill
Rosser, Claude Pernel, C. 2, ws	Sanford
Rosser, Helen Blake, L. S. 1, f	Sanford
A.B., 1930, Queens Coll.	
Rosser, Roy Pleasant, Jr., C. 3, fws	Sanford
Roth, Norman Bernard, C. 1, fws	New York, N. Y.
Rouiller, Charles August, A. S. 4, fws	Baltimore, Md.
Rountree, Charles Stanley, A. 1, fws	Farmville
Rouse, John Edward, Ch. E. 1, fws	Louisburg
Rowe, George Catlett, A. 4, fws	Charlotte
Rowland, Randolph, C. 2, fws	Middleburg
Rowley, John Windsor, A. 1, f; C. 1, ws	New Smyrna, Fla.
Royal, Ben Franklin, Jr., A. 2, fws	Morehead City
Royster, Vermont C., II, A. 4, fw	Raleigh
Ruark, Robert Chester, Jr., A. 4, fws	Wilmington
Rubin, Leonard, A. 1, fws	New York, N. Y.
Rucker, Pierce Christie, C. 2, f	Greensboro
Ruden, Irving, A. 3, fws	Far Rockaway, N. Y.
Rudisill, Jones Solomon, Jr., Ph. 1, fws	Forest City
Russ, David Perry, Jr., C. 1, fws	Fayetteville
Russell, Jesse Milton, Jr., A. S. 2, fw	Canton
Russell, Milton Chamberlin, L. S. 1, fws	Smithfield
A.B., 1932, Wake Forest Coll.	
Russell, Robert Phillips, A. 3, fws	Asheville

Ruth, Earl Baker, A. 1, fws	Charlotte
Rutledge, Jacob Carlyle, Law 3, fs	Stanley
A.B., 1932	
Rutter, Harold Archer, Jr., M. E. 3, fws	Andover, Mass.
Sadler, Robert Samuel, C. 4, fws	Paw Creek
Sale, Harold Shade, A. 1, ws	Elkin
Salerno, Louis, A. 4, fws	Clifton, N. J.
Salisbury, Paul Lee, C. 2, fws	Scotland Neck
Salsbury, Sherrod, C. 3, fws	High Point
Sanders, Zack Witten, A. 4, fws	Bluefield, W. Va.
Sanford, Cecil LeRoy, A. 1, fws	Laurinburg
Saperstein, Bernard Harold, A. 4, fw	Newark, N. J.
Saposhnik, Jacob Morris, A. S. 1, fws	Brookline, Mass.
Sarasohn, Ira Jules, C. 1, fws	Newark, N. J.
Sarratt, Alexander Reed, Jr., A. 2, fws	Charlotte
Sasscer, Henry Skinner, M. E. 2, fws	Upper Marlboro, Md.
Satterfield, John Angier, C. 2, fws	Durham
Saunders, Joseph Hubbard, Jr.,	Williamston
Med. 1, fw; A. 4, s	
Saunders, Spencer William, Ch. E. 1, fws	East Spencer
Savin, Marion Davis, E. E. 1, fw; C. 1, s	Elizabeth City
Sawyer, William Hamilton, A. S. 2, fws	Raleigh
Sawyer, William Lockwood, C. 1, fws	Gatesville
Sayers, Fred William, C. 2, fw	Corona, N. Y.
Saylor, Berger, C. 2, fws	Pfafftown
Sayre, Ruth Joyce, A. 4, fws	Asheville
Schaeffer, Amos, C. 2, f	New York, N. Y.
Scales, Archibald Henderson, A. 3, fws	Greensboro
Schaaf, Bernard John, A. spec., f	Chapel Hill
Schallert, Paul Otto, Med. 2, fws	Winston-Salem
Schaper, William Lewis, C. 1, fws	West Sayville, N. Y.
Schehr, Louis, C. 2, fws	Brooklyn, N. Y.
Schehr, Milton, C. 1, fws	Brooklyn, N. Y.
Scherer, Fred, A. S. 1, fw	Newark, N. J.
Scherer, Milton Lloyd, A. 2, fws	Newark, N. J.
Schiffer, Victor Adolf, A. S. 3, fw	Kingsbridge, N. Y.
Schiller, John Taylor, A. 4, fws	Wilmington
Schillinger, Milton, A. 1, f	Brooklyn, N. Y.
Schmuckler, Larry, M. E. 1, fws	Hurleyville, N. Y.
Schneider, Arthur Joseph, C. 2, fws	Jamaica, N. Y.
Schriver, Oliver Martin, Law 1, fs	Washington, D. C.
Schulz, John W. N., Jr., A. 3, fws	New York, N. Y.
Schwartz, Nathan, A. 4, fw	Wilmington
Scobee, Mary Tracy, A. 4, fws	Winchester, Ky.
Scott, David Hamilton, A. 3, fws	Wilmington
Scott, Henry William, Jr., A. S. 2, fws	Graham
Scott, William Coleman, Med. 1, fw; A. 4, s	Greensboro

Seawell, Donald Ray, Law 2, fs	Chapel Hill
Seawell, Edward Harding, A. 1, fws	Chapel Hill
Seawell, Malcolm Buie, Law 3, f	Chapel Hill
Seawell, Sarah Jeannette, A. 3, fws	Chapel Hill
Sechriest, Stuart Wilson, A. 4, fws	Thomasville
Sedgwick, Cabot, A. 3, f	Boston, Mass.
Seligson, Paul Jerome, Law 3, fs	Raleigh
B.S., 1932, N. C. State Coll. of A. & E.	
Sensenbach, Charles Willis, A. 4, fws	High Point
Serrem, Edward MacDonald, A. 4, fws	Fort Bragg
Sexton, Vincent Gerard, M. E. 1, f	West Englewood, N. J.
Seymour, Robert, Jr., A. 2, s	Bronxville, N. Y.
Seymour, Rudolph Romulus, M. E. 1, fw	Cary
Seymour, Sidney Walker, C. 2, fws	Apex
Seymour, Woodrow Wilson, Law 2, fs	Sanford
B.S., 1933, Davidson Coll.	
Shaffer, Charles Milton, C. 4, fw	Greensboro
Shaffer, Martin Luther, C. 1, fws	Elizabeth, N. J.
Shaffner, Fries, Med. 1, f	Winston-Salem
B.S., 1931, Moravian Coll.	
Shaffner, Louis deSchweinitz, A. 2, fws	Winston-Salem
Shalom, Victor Hyman, C. 1, ws	Brooklyn, N. Y.
Shevick, Isadore Meyer, Med. 2, fws	Winston-Salem
Shapiro, Edward, C. 3, fws	Manhattan Beach, N. Y.
Shapiro, Leonard Bertram, A. S. 1, f; A. 1, ws	Hempstead, N. Y.
Share, Abraham Albert, C. 1, fws	Rockingham
Sharp, Thomas Adolphus, Ch. E. 2, fws	Reidsville
Sharpe, Clarence Jones, C. 1, fw	Hillsboro
Shaw, Clyde Alexander, Jr., C. 1, fws	Concord
Shaw, Stephen Jerome, C. 3, fws	Richlands
Shedd, Douglas Huse, A. 4, fws	Leonia, N. J.
Shedd, John Lawson, A. 3, fws	Leonia, N. J.
Sheffield, Bernard Cleveland, Jr., Ph. 1, fws	Warsaw
Shell, James Coburn, C. 2, s	Roanoke Rapids
Shepherd, Giles Freemont, Jr., L. S. 1, fws	Burlington
A.B., 1934	
Shepherd, William Vass, Law 3, fs	Raleigh
A.B., 1933	
Sheppard, Eloise, A. 3, fws	Asheville
Shill, Harry, A. S. 3, f	Elizabeth, N. J.
Shine, Lou Sullivan, A. spec., f	Chapel Hill
A.B., 1921; A.M., 1926	
Shingleton, William Warren, A. 1, fws	Statonsburg
Shmurak, Solomon Martin, A. 1, fw	Newark, N. Y.
Shoaf, Ellis Stephen, A. spec., fw	Linwood
Shore, Francis Marion, Jr., C. 2, ws	Washington, D. C.
Shore, Hoke Flynt, C. 1, fws	Winston-Salem
Shore, Jackson Newton, C. 2, ws	Washington, D. C.

Shores, William Irving, Jr., A. 1, fws	Baltimore, Md.
Shull, Joseph Rush, Jr., A. 3, f; C. 3, ws	Charlotte
Shulman, Richard Benjamin, A. S. 1, fws	Far Rockaway, N. Y.
Siceloff, Margaret Ernestine, A. 4, fws	Asheville
Simkins, Thomas Moorman, Jr., A. 4, fws	Raleigh
Simkovitz, Arthur, A. 4, fws	Wilkes-Barre, Penna.
Simmons, Mac, A. 2, fws	Chapel Hill
Simmons, Wilson Coite, Ph. 2, fws	Conover
Simmons, Walter Eugene, A. 1, fws	Tarboro
Simmons, Wilbur Lee, Jr., C. 1, fws	Shelby
Simms, Alta Mae, A. S. 2, f; A. 2, ws	Carrboro
Simpson, Andrew Laurence, C. 2, fws	Rock Hill, S. C.
Simpson, Daphne Maude, A. 1, fw	Chapel Hill
Simpson, Evander Samuel, Jr., A. 3, fws	Roseboro
Simpson, Harold Edward, A. 3, fws	Dover
Simpson, Roscoe Patrick, C. 3, fws	Roseboro
Simpson, John Thompson, C. 1, fws	Winston-Salem
Simpson, Virginia Lee, A. 1, fw	Chapel Hill
Sinclair, Charles Stuart, A. S. 1, fws	Marion
Singer, Morton Leonard, C. 2, fws	Brooklyn, N. Y.
Sink, Edwin McKee, A. 2, fws	Greensboro
Sisson, Francis Ten Eyck, Jr., C. 4, fws	Potsdam, N. Y.
Sistare, Lee Chamness, A. 4, fws	Raeford
Skinner, Ben Smith, A. S. 3, fws	Durham
Skinner, Edward Ficklen, A. S. 2, fw	Greenville
Skinner, Frank Brightwell, Ch. E. 2, f	Hertford
Skinner, Floyd Cason, C. 1, fws	Winston-Salem
Skinner, Julia Wood, A. 4, fws	Elizabeth City
Skinner, Louis Cherry, Law 3, fs	Greenville
A.B., 1933	
Skinner, Louis Cotten, Jr., A. S. 2, fws	Greenville
Slade, Thomas Bog, III, E. E. 3, fws	Hamilton
Slagle, Ruth, A. 3, fws	Franklin
Slavin, Mortimer Irvin, A. S. 2, fws	Wilkes-Barre, Penna.
Slicer, Douglas Heber, A. S. 1, fws	Washington, D. C.
Sloan, William Neville, Jr., C. 4, fw; A. 4, s	Franklin
Sloan, William Weimer, G. 4, f	Franklin
Sloop, John Lewis, E. E. 1, fws	Monroe
Slotoroff, Sidney, C. 2, fws	Brooklyn, N. Y.
Sluder, Fletcher Sumpter, Jr., Med. 1, fws	Asheville
Smalley, George Edwin, C. 3, fws	Chicago, Ill.
Smart, Alonzo Erwin, A. 1, fws	Ellenboro
Smith, Albert Brant, Jr., C. 2, fws	Cedar Creek
Smith, Billy Ralph, A. S. 1, fw	Erlanger
Smith, Bert S., Jr., A. S. 3, fws	Farmville
Smith, Clifford Emmett, Law, spec., fs	Washington
Smith, Calvin Hunter, C. 2, w	Greensboro

Smith, Currie Otis, Jr., C. spec., fws	Graham
Smith, David Judson, Jr., C. 1, fws	Chapel Hill
Smith, Eileen Mabel, A. 2, fws	Chapel Hill
Smith, Henry Edwin, Ph. 2, fws	Conover
Smith, John David, Ph. 2, fws	Deposit, N. Y.
Smith, John McNeill, Jr., A. 1, fws	Rowland
Smith, James Torton, A. 1, f	Penn's Grove, N. J.
Smith, Kirby, Jr., A. 3, fws	Houston, Texas
Smith, Melvin Bowman, Med. 1, fws	Durham
Smith, Mack Edward, Jr., C. 1, fws	Fountain
Smith, Marietta Helen, A. 3, fws	Mars Hill
Smith, Marion Hinson, C. 3, fws	Wagram
Smith, Nancy Marie, A. 1, fws	Chapel Hill
Smith, Robert Bruce, C. 1, fws	Lexington
Smith, Ruby Arden, A. S. 2, fws	West Jefferson
Smith, Vinson Everett, C. 3, fws	Richmond Hill, N. Y.
Smith, Willis Crouth, C. 3, fws	Belmont
Smith, Willard Harvey, Jr., A. S. 2, fws	Goldsboro
Smith, William Holmes, Ch. E. 1, fws	Belmar, N. J.
Smith, William Julius, Ph. 2, fws	Morganton
Smithson, William Chase, P. A. 4, fws	Stamford, Conn.
Smithwick, Robert Earl, A. 4, fws	Blounts Creek
Sniscak, John Louis, A. 2, fws	Lansford, Penna.
Snively, Andrew John, E. E. 4, fws	Chapel Hill
Snively, Charles Stock, C. 2, fws	Chapel Hill
Snow, John Kendall, C. 1, fws	Charlotte
Snowden, DuPont, A. 3, fws	Forest Hills, N. Y.
Snyder, Herman Presley, C. 3, fws	Monroe
Snyder, Jacob Elias, C. 3, fws	Bethlehem, Penna.
Snyder, Nathaniel, A. 1, fws	Roxbury, Mass.
Sobelson, Stanley, Jr., A. 1, fws	Newark, N. J.
Solomon, Bernard Straus, C. 4, fw	Wilmington
Solomon, Sidney Sandler, C. 2, f	New York, N. Y.
Somers, Richard Joseph, Law 1, fs	Raleigh
Sosnik, Robert Brendle, C. 2, fws	Winston-Salem
Southard, James Elmo, A. 3, fws	Leaksville
Southerland, Council Wooten, C. 2, fws	Mt. Olive
Southerland, Sue Dupuy, A. 1, fws	Chapel Hill
Spainhour, Edwin Samuel, Jr., E. E. 2, fws	Winston-Salem
Sparger, Haywood Merritt, E. E. 1, fws	Mt. Airy
Sparrow, Preston Williamson, A. 4, fws	Chapel Hill
Sparrow, Roy Shelton, C. 1, fws	Carrboro
Spear, Louise, A. 1, fws	Chapel Hill
Speed, Oscar Parker, A. 1, f	Speed
Spelke, Louis Samuel, C. 1, fws	Stamford, Conn.
Spence, George Brogden, C. 2, fws	Goldsboro
Spencer, Mary Fowler, A. 3, fws	Carthage

Spencer, Thomas Booth, Med. 1, fws A.B., 1934	Charlotte
Spencer, Tracy Neil, A. S. 2, fws	Concord
Spicer, Emmett Robinson, A. 2, ws	Goldsboro
Spiers, David Bryant, C. 3, fws	Norfolk, Va.
Spies, Jack Opin, A. S. 2, fws	Newark, N. J.
Spivey, Charles Thomas, A. S. 1, f	Rich Square
Spivey, Thomas Denmuth, A. 1, fw	Goldsboro
Sprinkle, Karl, A. 4, f	Chapel Hill
Sprinkel, Ralph, A. 1, fws	Chapel Hill
Sprunt, James Laurence, Jr., A. 3, fws	Wilmington
Stadiem, Ernest Irving, C. 4, fws	Greensboro
Stallings, Herbert Paris, C. 2, fws	Wilson
Stallings, John Thomas, C. 2, fw	Pine Tops
Stamper, Robert Arthur, Jr., C. 4, fws	Henderson
Stamps, Walker, Med. 2, fws	Lumber Bridge
Stancil, James Rose, A. 2, fws	Smithfield
Stanford, Gaston William, Ci. E. 1, fws	Greensboro
Stansburg George Lasher, C. 2, f	Greensboro
Star, Joseph, E. E. 2, fws	Lawrence, N. Y.
Starke, Elmer Atkins, C. 2, ws	Roanoke Rapids
Starling, Wyman Plato, P. H. A., w M.D., 1933, Medical College of Va.	Roseboro
Staton, Robert Harold, C. 4, f	Bethel
Stauber, William Erwin, Jr., C. 1, fws	Rural Hall
Steele, James Columbus, C. 4, fws	Statesville
Stein, Arthur Benjamin, C. 3, fws	New York, N. Y.
Stein, Frederick L. M., C. 2, fws	Chicago, Ill.
Stein, Frederick Phillip, A. 1, fws	New York, N. Y.
Stein, Harry Benjamin, Law 2, fs	Bridgeport, Conn.
Stein, Harry Binder, Law 2, fs	Fayetteville
Steinberg, Julian, A. spec., fws	Bensonhurst, N. Y.
Steingrob, Herman Lee, A. 1, fws	Trenton, N. J.
Steinreich, Otto Selick, Med. 1, fws A.B., 1934	Newark, N. J.
Stelzer, Isador, A. 4, fws	New York, N. Y.
Stephens, James Linly, A. 4, fws	Lumberton
Stephens, Sophie Myers, A. 3, fws	Asheville
Stephenson, Edward Vassar, Ph. 2, fws	Seaboard
Stephenson, William Henry, A. S. 1, fws	Waxhaw
Stern, Sidney Joseph, Law 1, fs	Greensboro
Stevens, Mac Watson, Ph. 3, f	Broadway
Stevenson, Mary Esther, A. 2, fws	Hickory
Stevenson, Sidney Sims, C. 2, fs	Henderson
Stevenson, Winfred Boehm, P. A. 3, f	Wilmington
Stewart, Malcolm Bradford, C. 1, f	Lillington
Stewart, Robert MacIntyre, A. 2, fws	Freeport, Penna.

Stier, Albert Holmes, Jr., C. 2, f	Washington
Stier, Manuel, A. 2, fws	Bloomfield, N. J.
Stimson, James Horace, Med. 1, fws	Greensboro
Stokes, Colin, C. 4, fws	Winston-Salem
Stoker, Elizabeth Robertson, P. A. 3, f	Raleigh
Stokes, Ottis Randal, C. 1, f	Ayden
Stone, Edward Francis, A. S. 1, fws	Goldsboro
Stone, Kerney Clifton, Jr., Ci. E. 1, f; C. 1, ws	Durham
Stoney, George Cashel, A. 2, fw	Winston-Salem
Stovall, Harry Wylie, Jr., A. 1, fws	Wilmington
Stover, Bette Jess, A. S. 1, fws	Chapel Hill
Stover, Verna Tennessee, A. 3, fws	Chapel Hill
Strange, Azalia Davis, A. 4, fws	Louisburg
Strasburger, Victor, C. 1, s	New York, N. Y.
Strayhorn, Robert Hammond, Jr., C. 3, ws	Spencer
Street, Murdo Eugene, Med. 2, fws	Glendon
Stricker, Robert Louis, A. S. 2, fws	Asheville
Stringfield, Sam Lanier, Jr., M. E. 2, fws	Waynesville
Stronach, George Thomas, C. 3, f	Wilson
Strother, John Paul, A. 3, fws	Jackson Springs
Strowd, Bessie Headen, A. 1, fws	Chapel Hill
Studdert, Thomas Woodrow, A. 2, fws	Washington
Stutts, Charles Laben, A. S. 1, fw	Star
Stutts, Clyde Livingston, C. 2, fws	Gibson
Sugarman, Joseph, Jr., A. 4, fws	Newark, N. J.
Sullivan, James Jerome, A. 3, w	Mt. Kisco, N. Y.
Summerlin, Ben Albritten, A. 1, fws	Mt. Olive
Sumner, Howard Leon, P. H. A. spec., w M.D., 1926, Jefferson Med. Coll.	Asheville
Suominen, Wilho Nestor, Ci. E. 2, fws	Fairfield, Conn.
Surratt, Edward Price, C. 1, fw	Spencer
Surratt, Geneva Helen, C. 4, fws	Spencer
Suss, Irving David, A. 3, fws	Newark, N. J.
Sutliff, Isaac Herman, Jr., C. 1, fws	Spray
Sutton, Carl Whit, Jr., A. 3, fws	Richlands
Sutton, Fred Isler, Jr., C. 1, fws	Kinston
Sutton, James Patterson, A. S. 1, fws	Yanceyville
Swaim, Grady Lawrence, A. 1, fws	Winston-Salem
Swaim, Wilborne Sink, C. 2, fws	Winston-Salem
Swann, William Kirk, Med. 2, fws	Raleigh
Tabb, Warner Lewis, Jr., C. 4, fws	High Point
Taff, Donal Trimm, Ci. E. 1, fw; C. 1, s	Stamford, Conn.
Taff, Luther Raymond, A. 4, s	Birmingham, Ala.
Taff, Melville Augustus, Jr., P. A. 4, f	Stamford, Conn.
Tait, Harry James, Jr., A. 2, fws	Scarsdale, N. Y.
Tankersley, Edward William, A. 1, fws	Greensboro
Tate, John Auslin, Jr., A. 1, fw	Charlotte

Tatum, James Moore, C. 4, fws	McColl, S. C.
Tayloe, Arthur Woodrow, C. 3, f	Aulander
Taylor, Archibald Lenox, Jr., C. 3, ws	Oxford
Taylor, Benjamin Cicero, Jr., A. S. 2, fws	Mount Holly
Taylor, Edmund Rhett, A. 2, fws	Chapel Hill
Taylor, George Royster, C. 4, fws	Greensboro
Taylor, Gilbert Smith, A. 3, fws	Valle Crucis
Taylor, Herbert Hamilton, Jr., Law 3, fs	Tarboro
A.B., 1932	
Taylor, Joseph Albert, A. S. 4, fws	Florence, S. C.
Taylor, John Douglas, A. 1, f	Wilmington
Taylor, John Richard, C. 3, fws	Ayden
Taylor, Lou Eastwood, P. A. spec., f	Durham
Taylor, Lynwood Yates, C. 2, f	Mount Olive
Taylor, William Jesse, Jr., M. E. 1, fws	Wilson
Teachey, Guy B., A. 3, fws	Rose Hill
Teachey, William Roosevelt, A. 4, s	Rose Hill
Teague, David McNeill, A. 1, fws	Sanford
Teague, William Goldston, A. 1, fws	Siler City
Teal, James Paul, Jr., A. 2, fw; A. S. 2, s	Wadesboro
Teer, Nello LeGuy, Jr., C. 3, fw	Durham
Teijeiro, Ramona Carmen, A. 3, s	Brooklyn, N. Y.
Tennant, William Dixon, A. 4, f	Rochester, N. Y.
Tennille, Norton Fortune, C. 2, fws	Winston-Salem
Tennille, William Grant, Jr., A. 3, fws	Winston-Salem
Terhune, William, Jr., A. S. 1, fws	Hackensack, N. J.
Terry, Henry T., Jr., A. 1, s	Chapel Hill
Terry, Joe Ben, A. 2, w	Chapel Hill
Terry, Nathaniel Chatham, A. 4, fws	Chapel Hill
Terry, Walter Matthews, Jr., A. 4, fws	New Canaan, Conn.
Tetor, Frederick A., Jr., A. S. 1, fws	Ridgewood, N. J.
Thomas, Albert Louis, M. E. 2, fws	Hyde, Md.
Thomas, Francis Edgar, Jr., A. 3, ws	Wadesboro
Thomas, George Grimes, A. 1, f	Tarboro
Thomas, John Marshall, Jr., E. E. 1, fws	High Point
Thomas, James Ranford, A. 3, fws	Monroe
Thomas, James Tanner, A. S. 3, f	Greensboro
Thomas, Robert Walker, C. 1 fws	Jonesboro
Thomas, Tilman Bennett, C. 3, fws	Jonesboro
Thomas, Wilbur Winston, C. 3, fws	Rocky Mount
Thomasson, Glenn Lafayette, A. 4, fws	Bryson City
Thompson, Alexander Frank, A. 4, fws	Troy
Thompson, Carl George, Jr., A. 4, fws	Southern Pines
Thompson, Herman Ora, Ph. 2, fws	Chapel Hill
Thompson, John Burton, C. 1, fws	Greensboro
Thompson, John Lloyd, Jr., C. 1, fws	Lincolnton
Thompson, Lawrence Sidney, A. 4, f	Chapel Hill

Thompson, Lewis Whitmel, A. 2, fws	Woodville
Thompson, William Alexander, C. 2, fws	Aurora
Thompson, William Charles, C. 3, fs	Charlotte
Thornton, Mary Lindsay, A. spec., fs	Chapel Hill
Thorp, David Jones, A. 1, fws	Fries, Va.
Thorpe, Foster Brown, Ci. E. 3, fs	Bryson City
Threlkeld, Catherine Sara, A. 3, fws	Asheville
Thurman, Charles Harris, C. 2, f	Rocky Mount
Tice, William Woodrow, C. 2, fws	Williamston
Tillery, Jack Gregory, Med. 1, fws	Halifax
Tison, Southwood Smith, Jr., M. E. 1, fws	Savannah, Ga.
Tobey, Bradford Torin, A. 2, fws	Hubbard Woods, Ill.
Townsend, Newman Alexander, Jr., Law 2, fs	Charlotte
A.B., 1934	
Tracy, Lyndon Sanford, Jr., M. E. 4, fws	Syracuse, N. Y.
Trenholm, Thomas Holt, C. 1, f	Mt. Lakes, N. J.
Trexler, Charles Brent, C. 2, fws	Wadesboro
Trimpey, John Surrey, A. 2, fws	Somerset, Penna.
Triplett, Elizabeth, P. A. spec., f	Charlotte
Trott, Graham Foard, Law 3, fs	Chapel Hill
S.B. in Comm., 1932	
Troutman, Paul Greenwood, C. 2, fws	Addor
Trubnick, Bernard Louis, C. 4, f	Newark, N. J.
Trugman, Jack, A. 1, fw	Newark, N. J.
Truslow, Alice Angevine, A. spec., w	Summit, N. J.
Tucker, Irvin Burchard, Jr., Law 2, fs	Whiteville
Tudor, Dorothy Louise, A. 3, fws	Albemarle
Tunstall, Louise Anna, A. 4, fws	Hester
Turbeville, George Elkin, A. 1, fws	Angier
Turk, Leopold, A. 1, fws	Brooklyn, N. Y.
Turlington, James Woodall, A. 3, fws	Fremont
Turner, Louie David, C. 3, fws	Charlotte
Turner, Lucile M., P. A. spec., f	Pelham
Turner, Russell Robert, C. 1, f	Draper
Turner, William Donnelly, A. S. 2, fws	Port Washington, N. Y.
Tyree, Oscar Leake, C. 2, fws	Winston-Salem
Tyson, Jesse Williams, Ph. 2, fws	Asheboro
Ullman, Fred Ernest, M. E. 1, fws	Highland Park, Ill.
Umstead, Alexander Bruce, C. 1, fws	Durham
Umstead, Frank Graham, C. 2, fws	Chapel Hill
Umstead, John Wesley, III, C. 1, fw	Chapel Hill
Underdown, Victor Kenneth, A. 1, f	Lenoir
Underwood, George Heard, A. S. 2, f	Greensboro
Underwood, James Thomas, A. 4, fws	Smithfield
Unger, Sidney Saul, C. 4, f	Newark, N. J.
Upchurch, Theron Acriel, C. 3, fws	Apex
Urmston, Benton Enyeart, A. 1, fws	Bay City, Mich.

Ussery, Emery Taylor, Jr., A. 1, fws	Sanford
Uzmann, Francis Joseph, Jr., A. S. 2, fw	Queens Village, N. Y.
Van Deusen, Jean, A. 3, fws	Brooklyn, N. Y.
Van Every, David Henning, C. 1, fws	Charlotte
Van Hecke, James Maurice, A. 1, fws	Chapel Hill
Van Horn, Earl Carlton, A. S. 2, fws	Winston-Salem
Van Nortwick, William Alva, A. S. spec., ws	Greenville
Van Sant, Fred Russell, C. 4, fws	Sanford
Van Sleen, Robert, E. E. 4, fws	Gastonia
Valk, Henry Lewis, A. 3, fws	Winston-Salem
Vass, Annie Smedes, A. 3, fws	Raleigh
Vaughan, Mary Emily, A. spec., s	Jackson
Venters, Elmer Jerome, A. 2, fw	Richlands
Verburg, Paul Leonard, Ci. E. 4, ws	Flushing, N. Y.
Verner, James Melton, A. 3, fws	Asheville
Vick, Edward Hoge, A. 2, fws	Selma
Vick, George Davis, Jr., Law 3, f A.B., 1933	Selma
Vick, Lucian Thurman, C. 4, ws	Wilson
Vickers, Claude Wallace, A. 1, fws	Durham
Vincent, Norflete Reel, A. 4, fws	New Bern
Vinson, William Gaston, C. 4, fws	Winston-Salem
Vitiello, Joseph Thomas, A. 2, f	New Canaan, Conn.
Vitz, Howard Engels, A. S. 4, fw; Grad., s	Toledo, O.
Voncanon, Forrest Whitney, Jr., C. 1, fws	West End.
Voegtlen, John Martyn, A. 4, fws	Summit, N. J.
Voliva, Edward Lemuel, C. 2, ws	Pantego
Wade, Clifton Elworth, Ph. spec., ws	Beaufort
Wade, Edward Lee, C. 2, fws	Draper
Wadsworth, James Edgar, A. 4, f	Parkersburg
Wagar, Garton Keith, Jr., M. E. 1, fws	New Rochelle, N. Y.
Wagner, Cornell Campbell, A. 4, fws	Troutman
Wagner, Paul Campbell, C. 2, fws	Troutman
Wagner, William Howard, A. 3, fw	Middlesex
Wagoner, Ellison Leftrage, Jr., E. E. 2, fw	Whitehead
Wagoner, Milton Lonnie, Jr., Ph. 1, fws	Reidsville
Wagstaff, Henry McGilbert, Jr., M. E. 2, fw	Chapel Hill
Wakeley, William Easton, Jr., C. 1, fws	South Orange, N. J.
Walborn, Delbert George, A. S. 1, fw	Montgomery, Penna.
Waldman, Milton Herbert, A. 4, fws	Brooklyn, N. Y.
Waldrop, Joseph Edmund, C. 4, fws	Greenville
Walker, Ada Faulkner, P. A. spec., f	Salisbury
Walker, Daniel Joshua, Jr., A. 3, fws	Burlington
Walker, Elizabeth Jean, A. spec., fws	Rocky Mount
Walker, Elizabeth Scott, L. S. 1, fws A.B., 1922, Duke Univ.; A.M., 1925, <i>ibid.</i>	Rocky Mount
Walker, Hal Hammer, A. 1, fws	Asheboro

Walker, John Anthony, A. 3, fws	Chapel Hill
Walker, Nathan Wilson, Jr., A. 4, fws	Chapel Hill
Walker, Robert P., C. 1, f	Draper
Walker, Warren, Jr., M. E. 1, fws	Ardmore, Penna.
Walker, Winona Franklin, L. S. 1, fws	South Boston, Va.
B.S., 1929, State Teachers College	
Wall, Ben Rutledge, Jr., A. 4, fws	Lilesville
Wall, Frederick Bruce, C. 1, fws	Benson
Wall, George Ritchie, A. S. 2, fws	Siler City
Wall, John Robertson, Law 2, fs	Asheville
Wall, Malcolm Dade, A. 2, fws	Enfield
Wallace, Mack, A. S. 3, fw; A. 3, s	Buie's Creek
Wallace, Margaret Holt, A. 2, fws	Chapel Hill
Waller, Coy Webster, Ph. 2, fws	Mt. Olive
Waller, Olan Emerson, C. 2, fws	Wilmington, Del.
Walsh, Paul Eugene, A. S. 3, fs	Winston-Salem
Walston, Stuart, A. 1, fws	Wilson
Walters, Aldai Carroll, A. S. 2, fws	La Grange
Walton, Hal Murphy, A. 2, f	Morganton
Wang, William Howard, A. 3, fws	Port Chester, N. Y.
Ward, Clement Manley, A. 4, f	Castle Hayne
Ward, Donald Blow, Law 2, fs	Smithfield
Ward, Joseph Herman, C. 1, fws	Hertford
Ward, Melvin Churchill, A. 2, fws	Spencer
Ward, Vernon Albert, Jr., A. 4, fws	Robersonville
Wardlaw, James Langdon, Jr., A. S. 3, fws	Calypso
Warner, Rodney Lyman, C. 1, fw	Neuse
Warren, David Minton, Jr., C. 2, fw; A. 2, s	Edenton
Warren, Julien Knox, Jr., A. 2, fws	Trenton
Warren, Stewart Bethune, A. 2, fws	Newton Grove
Waters, Alan Victor, A. 2, fws	Scarsdale, N. Y.
Watson, Earle Harris, A. 1, fws	Henderson
Watson, Golda Johnson, Law, spec., fs	Winston-Salem
Watson, Ivey, Jr., M. E. 1, fws	Enfield
Watson, John Wallace, C. 1, fw	Selma
Watson, Joseph Winstead, Ph. 2, fws	Rocky Mount
Watson, Robert Neal, Ph. 1, fws	Jonesboro
Watson, William, A. 3, fws	Wilson
Watt, Robert Lee, Jr., C. 1, fws	Reidsville
Watters, Lillias Agnes, L. S. 1, ws	Haynesville, La.
M.A., 1934, Baylor Univ.	
Watts, Clifford Glenn, A. 4, fws	Taylorsville
Watts, Foy Coleman, C. 3, fws	Taylorsville
Wagh, William H. H., Jr., E. E. 2, fws	North Wilkesboro
Way, James Arthur, Jr., Ph. 2, fws	Asheboro
Way, John Edward, Med. 1, fws	Beaufort
A.B., 1934	

Waynick, Daniel Talbot, M. E. 1, fws	Greensboro
Weathers, Virgil Stowe, Law 1, fs	Shelby
A.B., 1934	
Weaver, Doris Mary, A. 3, fws	Lexington
Weaver, Fred Henry, A. 2, fws	Aberdeen
Weaver, Leonard Grean, Ph. 1, f; A. 1, ws	Holly Springs
Weaver, William Rhodes, A. 3, fws	Chapel Hill
Webb, Joseph Cheshire Jr., C. 4, fws	Hillsboro
Webb, John Frederick, Jr., A. 4, fws	Oxford
Webb, Van Wyck Hoke, C. 3, fws	Raleigh
Webb, William Edwin, Jr., C. 2, fws	Statesville
Webber, John Nelson, C. 1, f	Olivia
Webster, Bernice Latcher, A. 3, fws	Leaksville
Weeks, Cameron St. Claire, Law 2, fs	Tarboro
Weeks, Orin Haywood, Law 3, fs	Swansboro
Weesner, Richard Wilson, C. 4, fws	Nashville, Tenn.
Weinberg, Clarence Richard, A. 2, fws	Newark, N. J.
Weinstein, Ephraim, C. 2, ws	Reidsville
Weinstein, Sidney, C. 2, fws	New York, N. Y.
Weisbrod, Ferdinand Gerald, A. 1, fws	Newark, N. J.
Weisbrod, Lawrence Milton, A. 1, fws	Newark, N. J.
Weisenfluh, John Andrew, Jr., A. 4, ws	New York, N. Y.
Wellons, Lee Douglas, A. 4, fws	Micro
Wells, Edgar Franklin, A. 2, fws	Greensboro
Wells, John Jackson, Jr., C. 1, fws	Rocky Mount
Wells, Lawrence Woody, Ph. 1, fws	Henrietta
Weltscheff, Athanas Vladimira, A. 1, fws	Stamford, Conn.
Wesh, Anthony Johnson, Ch. E. 3, fws	Elizabeth, N. J.
Wessell, John Charles, Jr., Law 3, f	Wilmington
A.B., 1929	
Wesson, Roy Denton, A. 1, fws	Claremont
Westbrook, James Augustus, Ci. E. 4, fws	Rocky Mount
Westwood, Virginia, A. 3, ws	Tecumseh, Nebraska
Wetherbee, Donald Gist, A. 2, fs	Greenville, Miss.
Weyher, Henrietta Louise, A. 3, fws	Kinston
Wharton, David William, Ch. E. 2, fws	Greensboro
Wheat, William Turpin, A. S. 2, f; A. 2, ws	Erlanger
Wheelless, George Ventrus, C. 3, ws	Nashville
Whicker, Joseph Hubert, A. 3, fws	North Wilkesboro
Whitaker, James Allen, P. H. A. spec., w	Zebulon
M.D., 1933, Temple Univ.	
Whitaker, Quincy Myers, A. 2, f	Indianapolis, Ind.
White, Algird Francis, A. S. 2, fw; A. 2, s	Brooklyn, N. Y.
White, Edward Luther, Jr., A. 2, fws	New Haven, Conn.
White, Frances Sarah, A. 4, fws	Chapel Hill
White, Hugh Edward, Jr., A. 1, fws	New Rochelle, N. Y.
White, Joseph Addison, C. 1, w; A. 1, s	Greensboro

White, Joshua Alvin, Jr., C. 3, f	Hertford
White, Justin Smith, A. 1, fws	Fayetteville
White, Wallace Thomas, M. E. 1, fws	Norlina
Whitenack, William F., M. E. 1, fws	Doylestown, Penna.
White, William Carlton, A. 1, fws	Chatham, Va.
Whiteside, Robert Bruce, C. 1, w	Charlotte
Whitfield, Eldridge Newton, A. 1, fws	Courtland, Va.
Whitley, Ernest Deans, Jr., A. 2, fws	Raleigh
Whitlock, Donald Williamson, A. 1, fws	Burlington
Whitney, Paul Eugene, A. 2, fs	Chapel Hill
Whitney, Vincent Heath, A. 3, fws	Wakefield, Mass.
Whitsett, William Thornton, Law 1, fs	Whitsett
A.B., 1932	
Wiggins, John Bowers, C. 4, fws	Edenton
Wiggins, John Carroll, Jr., A. 2, fws	Winston-Salem
Wiggins, John Lawrence, C. 1, fws	Wilson
Wilburn, James Melvin, C. 2, fws	Lillington
Wilcox, George, P. A. spec., f	Knightdale
Willday, Wynant Temple, A. S. 4, fw; Grad., s	Elizabeth, N. J.
Wilder, Roy Ellsworth, Jr., A. 3, f	Spring Hope
Wilder, Wilkins Edward, A. 1, fw	Woodland
Wilhelm, Charles Lee, Law 1, fs	Salisbury
A.B., 1934, Duke Univ.	
Wilkerson, Annie Louise, Med. 1, fws	Raleigh
Wilkins, Clarence Edwin, Jr., A. 2, fws	Goldsboro
Wilkins, Raymond Harrell, Ph. 1, fws	Columbia
Wilkins, Samuel Austell, Jr., Med. 1, fws	Dallas
A.B., 1934	
Wilkins, William Yarboro, Jr., C. 2, fws	Tryon
Willard, Samuel Bayley, A. S. 2, fws	Doylestown, Penna.
Willey, Harry Swain, Jr., Med. 2, fws	Arlington, N. J.
Williams, Audrey Lillian, A. 1, fws	Chapel Hill
Williams, Clyde Irwin, C. 4, fws	Graham
Williams, Giles McIntosh, A. S. 2, fws	Fletcher
Williams, John Hugh, Law 1, fs	Concord
Williams, Jacob Meyer, Ch. E. 1, fws	Hendersonville
Williams, McChord, Med. 2, fws	Charlotte
B.S., 1932, Furman Univ.; M.A., 1933, Duke Univ.	
Williams, Margaret Elizabeth, A. S. 1, fws	Richland
Williams, Peter Pescud, C. 3, fws	Raleigh
Williams, Robert Ecker, C. 2, fws	Wilson
Williams, Robert Hackney, A. S. 4, f; A. 4, ws	Clearwater, Fla.
Williams, Robert Ransom, Jr., A. 2, fws	Asheville
Williams, Rhoderick Thomas, Med. 2, fws	Chapel Hill
Williams, Staton Pender, Law 1, fs	Robersonville
A.B., 1931, Duke Univ.	
Williams, Vernon C., Jr., C. 3, fws	Mebane
Williamson, Harry Webb, C. 4, fws	High Point

Williard, George Donald, C. 1, fws	Kernersville
Willingham, Benjamin Joseph, E. E. 2, fws	Wilmington
Willingham, Edward Glenn, E. E. 1, fws	Wilmington
Willingham, Francis Fries, C. 3, fws	Winston-Salem
Willis, Benjamin Sheppard, A. 3, fws	Winston-Salem
Willis, Emmett Cline, Jr., Law 3, fs A.B., 1933	Southmont
Willis, Richard Troth, C. 4, fs	Chevy Chase, Md.
Wilmer, Francis Helman, C. 4, f	Conshohocken, Penna.
Wilson, Franklin, Law 2, fs A.B., 1934	Winston-Salem
Wilson, George Wayland, C. 1, fws	Newton Grove
Wilson, James Preston, A. 1, fws	Chapel Hill
Wilson, Leonard Woodrow, A. 4, fws	Draper
Wilson, Roscoe Bates, M. E. 4, fws	Greenville, S. C.
Wilson, Robert North, Jr., Med. 1, fws B.S., 1934, Duke Univ.	Durham
Wilson, Samuel Paul, A. S. 3, fws	New Haven, Conn.
Wilson, Thomas, III, A. 2, fws	Charleston, S. C.
Wilson, Thomas Eugene, C. 1, fws	Greenville
Wilson, Thomas Woodrow, M. E. 3, fws	Lawndale
Wilson, William Gordon, M. E. 1, fws	Erlanger
Wilson, Walter Howard, Med. 2, fws A.B., 1933	Greenville
Wimberley, Harry, A. 2, w	Aberdeen
Winborne, Stanley, Jr., C. 3, f	Raleigh
Winget, Arthur Knox, Jr., A. 1, fws	Albemarle
Winkler, Bertram Monroe, A. S. 1, fws	New York, N. Y.
Winslow, Julian Dallas, C. 4, fws	Elizabeth City
Winslow, Miles Tucker, A. 2, fws	New York, N. Y.
Winstead, Ida, C. 2, f; A. 2, ws	Roxboro
Winstead, Giles Kinsey, Jr., A. 1, fws	Wilson
Winstead, Maurice Burton, A. S. 3, fws	Ransonville
Winstead, Suzanne Barden, A. 3, fws	Roxboro
Winter, Donald Warman, A. 2, fws	Summit, N. J.
Winters, Jerome Lester, C. 1, fws	Rockaway Park, N. Y.
Wishney, David, A. 1, s	Brooklyn, N. Y.
Witherington, Ben, Jr., C. 2, fws	Goldsboro
Withers, John Pescud, Ch. E. 2, fws	Raleigh
Withrow, Emmett James, A. 4, fws	Forest City
Wolfe, Carl Bagley, A. S. 1, fws	Greensboro
Wolfe, Eugene Paul, A. 1, fws	Elkin
Wolfe, Jerome Jacob, A. 2, f	Pittsburgh, Penna.
Wolfe, John Reginald, C. 1, fws	Robertsdale, Penna.
Wolfe, William Byron, A. 4, fws	Elkin
Wolslagel, Earl Woodall, A. 3, ws	Biltmore Forest
Woltz, William Kingsbury, C. 3, f	Gastonia

Womble, Joseph Guye, Grad., f; A. S. spec., ws	Albemarle
Womble, Logan Nyal, Jr., Ph. 3, f	Pittsboro
Womble, William Hugh, A. S. 2, fws	Greensboro
Woodard, Barney Paul, Ph. 2, fw	Princeton
Woodard, John Vernon, Ph. 4, fws	Princeton
Woodard, Lillian Louise, A. 4, fws	Selma
Woodard, William Coleman, Jr., C. 1, fw	Rocky Mount
Woodburn, Clark Harold, A. S. 3, fws	Brown's Summit
Woodbury, Charles Samuel, A. 3, fws	Springfield, Mass.
Woodruff, Robert Thomson, Jr., C. 2, f	Lakeview
Woods, Philip Hugh, E. E. 1, fws	Hillsboro
Woody, Mundie Eugene, Jr., E. E. 1, f; A. S. 1, ws	Bessemer City
Woolen, William Stone, M. E. 2, fws	Chapel Hill
Wooten, Harry Cobb, Jr., C. 1, fws	Kinston
Wooten, William Harry, A. 2, fws	Kinston
Worrall, Clarence Augustus, E. E. 1, fw	Asheville
Worsley, Thomas Luther, A. S. 3, fws	Rocky Mount
Worsley, William Rufus, Jr., C. 3, fws	Tarboro
Wrenn, Elmer Alexander, C. 2, fws	Greensboro
Wright, Elizabeth Wallis, A. 3, fws	Asheville
Wright, Henry, A. 3, fws	Ingold
Wright, James Irby, C. 2, ws	Chapel Hill
Wright, James Rhodes, A. 2, fws	Raleigh
Wright, Luke William, A. 4, fws	South Mills
Wright, William Augutus, A. 4, fws	Asheville
Wyant, Christian Whitfield, A. 3, fws	Sharon, Penna.
Wyche, Ben, Jr., A. 2, fws	Charlotte
Yancey, Noel Marcus, A. 4, fws	Raleigh
Yandell, Billy Francis, C. 3, fws	Charlotte
Yanké, Leo Alfred, A. 2, fws	Hartford, Conn.
Yarborough, Leroy Brooks, C. 3, fws	Jonesboro
Yeager, Olin Ray, A. 3, fws	Pittsburgh, Penna.
Yeatman, Trezevant Player, A. 2, fws	Ashwood, Tenn.
Yeomans, John Dawson, A. 1, f; C. 1, ws	Washington, D. C.
Yoder, George McDowell, A. S. 3, fws	Newton
Yokeley, Raymond Voight, C. 2, fw	Thomasville
Young, Frances Eileen, A. 3, fws	Durham
Young, George Lewis, C. 1, fws	Durham
Young, Jack Elliott, C. 2, fws	Rocky Mount
Young, Joseph Rutledge, Jr., A. 1, fws	Charleston, S. C.
Young, Kenneth Wharton, Law 1, fs	Durham
Young, Victoria, L. S. 1, fws A.B., 1920, Winthrop Coll.	Rock Hill, S. C.
Younginer, Janeth Irene, A. 3, fws	Asheville
Yount, Donald Lee, C. 1, fws	Reidsville
Yount, Eugene McDuffy, A. S. 1, fs	Statesville

Zauber, Raymond Garber, A. 1, fws	Greensboro
Zaglin, Joe Goldberg, Law 3, fs	Fayetteville
A.B., 1933	
Zayas, Jose Maria, A. 1, ws	Havana, Cuba
Zeigler, Rowland Franklin, Jr., Med. 2, fws	Florence, S. C.
Ziman, Victor, A. 3, fws	New York, N. Y.
Zimmermann, Erika Sophia, A. 2, fws	Chapel Hill
Zink, Alvin John, E. E. 3, fws	Ballard Vale, Mass.

GENERAL ENROLLMENT SUMMARY, 1934-1935

	Men	Women	Unit Total	Distribution Total
GRADUATES	174	79	253	253
UNDERGRADUATES:				
First Year	796	46	842	
Second Year	574	27	601	
Third Year	490	77	567	
Fourth Year	379	60	439	
Special	40	36	76	
Total	2279	246	2525	2525
STUDENTS IN LAW:				
First Year	49	0	49	
Second Year	44	0	44	
Third Year	34	1	35	
Special	5	1	6	
Total	132	2	134	134
STUDENTS IN MEDICINE:				
First Year	37	5	42	
Second Year	31	1	32	
Total	68	6	74	74
STUDENTS IN LIBRARY SCIENCE	6	16	22	22
GROSS TOTAL, Residence Instruction	2659	349	3008	3008
Less Duplications	94	9	103	
Net Total, Residence Instruction	2565	340	2905	2905
STUDENTS (INDIVIDUAL REGISTRATIONS) IN THE SUMMER QUARTER, 1934:				
Graduates	210	256	466	
Undergraduates	569	466	1035	
Library Science	0	12	12	
Law	79	0	79	
Gross Total	858	734	1592	1592
Less Duplications (with 1934-1935 enrollment)	395	51	446	
Net Total, Receiving Residence Instruction June, 1934, to June, 1935	3028	1023	4051	4051
STUDENTS IN THE EXTENSION DIVISION:				
Correspondence:				
Degree Credit	369	114	483	
Degree and Certificate Credit	12	44	56	
Certificate Credit	46	540	586	
Non-Credit	24	20	44	
Gross Total	451	718	1169	
Less Duplications (with 1934-1935 enrollment)	36	65	101	
Net Total, Correspondence	415	653	1068	1068
CLASS INSTRUCTION:				
Degree Credit	14	35	49	
Degree and Certificate Credit	55	134	189	
Certificate Credit	63	553	616	
Non-Credit	18	31	49	
Gross Total	150	753	903	
Less Duplications (with 1934-1935 enrollment)	20	60	80	
Net Total	130	693	823	823
Net Total, EXTENSION DIVISION (excluding non-credit registrants)	503	1295	1798	1798
Net Grand Total, REGULAR STUDENTS	3531	2318	5849	5849

ENROLLMENT DISTRIBUTION, 1934-1935, SHOWING MEN AND WOMEN IN RESIDENCE BY QUARTER, OR QUARTER COMBINATIONS. THE NUMBER SHOWN UNDER F (FALL QUARTER), FOR INSTANCE, INDICATES THOSE IN RESIDENCE FOR THAT QUARTER ONLY AND THOSE WHO SHIFTED TO SOME OTHER DIVISION AT THE END OF THAT QUARTER; THE NUMBER SHOWN UNDER FW (FALL-WINTER QUARTERS) INDICATES THOSE IN RESIDENCE - FOR THOSE QUARTERS ONLY AND THOSE WHO SHIFTED TO SOME OTHER DIVISION AFTER TWO QUARTERS IN ONE DIVISION; AND SO ON.

- FOR THOSE QUARTERS ONLY AND THOSE WHO SHIFTED TO SOME OTHER DIVISION AFTER TWO QUARTERS IN ONE DIVISION, AND SO ON.																					TOTALS		Total by De- vision	
F		FW		FWS		FS		W		WS		M		S		M	W							
M	W	Tot.	M	W	Tot.	M	W	Tot.	M	W	Tot.	M	W	Tot.	M	W	Tot.	M	W	Tot.				
Arts	1	23	0	23	23	6	29	210	22	232	1	0	1	2	0	2	14	11	1	12	283	29	312	
	2	22	0	22	17	0	17	149	14	163	3	0	3	4	0	4	12	3	7	0	215	17	232	
	3	20	1	21	9	2	11	171	53	224	2	0	2	4	0	4	13	7	4	8	223	67	290	
	4	10	4	14	16	1	17	134	44	178	0	0	0	0	1	1	6	1	7	11	177	51	228	
Sp.	0	4	4	4	3	0	3	6	4	10	0	2	2	2	3	2	2	4	3	5	14	17	31	
Tot.	75	9	84	68	9	77	670	137	807	6	2	8	11	3	14	47	13	60	35	8	43	912	181	1093
Comm.	1	19	1	20	21	0	21	201	0	201	0	0	0	3	0	3	21	1	22	10	275	2	277	
	2	25	2	27	15	0	15	127	3	130	4	0	4	3	0	3	16	1	17	6	196	6	202	
	3	12	0	12	8	0	8	103	0	103	5	0	5	2	0	2	7	0	7	1	138	0	138	
	4	14	0	14	12	0	12	88	1	89	2	0	2	3	0	3	3	0	3	0	122	1	123	
Sp.	1	1	0	1	0	0	4	0	4	0	0	0	0	0	0	0	3	0	1	0	6	0	6	
Tot.	71	3	74	56	0	56	523	4	527	11	0	11	11	0	11	47	2	49	18	0	737	9	746	
Ap. Sci.	1	10	0	10	13	0	13	61	8	69	1	0	1	1	0	1	10	3	1	4	99	9	108	
	2	12	2	14	9	0	9	57	2	59	1	0	1	1	0	1	3	0	3	4	87	4	91	
	3	10	0	10	5	0	5	39	1	40	1	1	2	0	0	0	5	1	0	1	61	3	64	
	4	2	1	3	4	0	4	13	0	13	0	0	0	1	0	1	0	0	0	0	20	0	20	
Sp.	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	2	0	2	0	0	5	0	5	
Tot.	34	3	37	31	0	31	173	11	184	3	1	4	3	0	3	20	0	20	8	1	9	272	16	288
Engg.	1	29	0	29	10	0	10	65	0	65	0	0	0	0	0	0	2	0	0	0	106	0	106	
	2	11	0	11	6	0	6	38	0	38	1	0	1	0	0	0	1	0	1	0	57	0	57	
	3	5	0	5	4	0	4	38	0	38	2	0	2	0	0	0	2	0	0	0	51	0	51	
	4	5	0	5	3	0	3	35	0	35	1	0	1	0	0	0	2	0	0	0	46	0	46	
Sp.	0	0	0	0	2	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	3	0	3	
Tot.	50	0	50	25	0	25	177	4	177	4	0	4	0	0	0	0	7	0	7	0	263	0	263	
Pub. Ad.	3	1	3	4	0	0	0	0	2	2	0	0	0	0	0	0	0	1	1	0	6	7	7	
	4	1	1	2	0	0	0	3	5	8	0	0	0	0	0	0	0	0	0	0	4	6	10	
Sp.	1	16	17	0	0	0	0	3	7	10	0	0	0	0	0	2	2	0	2	0	1	19	20	
Tot.	3	20	23	0	0	0	3	7	10	0	0	0	0	0	0	2	2	0	0	0	6	31	37	
Phar.	1	3	0	3	5	0	5	25	6	31	0	0	0	0	0	0	0	0	0	0	33	6	39	
	2	0	0	0	2	0	2	17	0	17	0	0	0	0	0	0	0	0	0	0	19	0	19	
	3	3	0	3	1	0	1	12	1	13	0	0	0	0	0	0	0	0	0	0	16	1	17	
	4	1	0	1	0	0	0	5	1	6	1	0	1	0	0	0	1	1	3	0	10	2	12	
Sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	
Tot.	7	0	7	8	0	0	8	59	8	67	1	0	1	0	0	0	1	1	2	3	3	79	9	88
Lib. Sci.	0	1	1	1	0	1	1	4	14	18	0	0	0	0	0	0	1	0	1	0	1	6	16	
Pub. Health Ad.	4	0	4	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	10	0	10	
Law	3	0	3	0	0	0	0	46	0	46	0	0	0	0	0	0	0	0	0	0	49	0	49	
	2	0	0	0	0	0	0	43	0	43	0	0	0	0	0	0	0	0	0	1	44	0	44	
	3	6	0	6	0	0	0	26	1	27	0	0	0	0	0	0	0	0	0	0	34	1	35	

ENROLLMENT BY QUARTERS, MEN (M) AND WOMEN (W), 1934-1935

		FALL			WINTER			SPRING		
		M	W	Tot.	M	W	Tot.	M	W	Tot.
Arts	1	257	28	285	249	28	277	236	23	259
	2	192	14	206	182	17	199	171	17	188
	3	202	56	258	197	62	259	190	64	254
	4	160	49	209	156	47	203	151	45	196
	Spec.	9	10	19	12	8	20	10	11	21
	Total	820	157	977	796	162	958	758	160	918
Comm.	1	240	1	241	246	1	247	232	1	233
	2	171	5	176	161	4	165	153	4	157
	3	128	0	128	129	0	129	116	0	116
	4	116	1	117	106	1	107	93	1	94
	Spec.	5	0	5	4	0	4	5	0	5
	Total	660	7	667	637	6	643	599	6	605
Ap. Sci.	1	85	8	93	85	8	93	75	9	84
	2	79	4	83	70	2	72	65	2	67
	3	55	3	58	49	1	50	46	2	48
	4	19	0	19	18	0	18	13	0	13
	Spec.	3	0	3	5	0	5	5	0	5
	Total	241	15	256	227	11	238	204	13	217
Engg.	1	104	0	104	77	0	77	67	0	67
	2	56	0	56	45	0	45	40	0	40
	3	49	0	49	44	0	44	42	0	42
	4	44	0	44	40	0	40	38	0	38
	Spec.	3	0	3	3	0	3	1	0	1
	Total	256	0	256	209	0	209	188	0	188
Pub. Adm. ..	3	1	5	6	0	3	3	0	3	3
	4	4	6	10	3	5	8	3	5	8
	Spec.	1	16	17	0	3	3	0	1	1
	Total	6	27	33	3	11	14	3	9	12
Phar.	1	33	6	39	30	6	36	25	6	31
	2	19	0	19	19	0	19	17	0	17
	3	16	1	17	13	1	14	12	1	13
	4	7	1	8	5	2	7	9	2	11
	Spec.	0	0	0	1	0	1	1	0	1
	Total	75	8	83	68	9	77	64	9	73
Lib. Sci.		4	16	20	5	15	20	6	14	20
Pub. H. Adm.		4	0	4	6	0	6	0	0	0
Law	1	49	0	49	46	0	46	46	0	46
	2	43	0	43	43	0	43	44	0	44
	3	32	1	33	26	1	27	28	1	29
	Spec.	5	1	6	4	1	5	4	1	5
	Total	129	2	131	119	2	121	122	2	124
Med.	1	37	5	42	36	5	41	32	5	37
	2	31	1	32	30	1	31	29	1	30
	Total	68	6	74	66	6	72	61	6	67
Grad.		144	59	203	138	41	179	145	52	197
TOTALS		2407	297	2704	2274	263	2537	2150	271	2421

DISTRIBUTION OF THE NORTH CAROLINA ENROLLMENT BY COUNTIES, AND ACCORDING TO THE DIVISION OF THE
UNIVERSITY IN WHICH THESE WERE ENROLLED, 1934-1935

	Arts		Comm.		A.S.		Engg.		Phar.		P.A.		P.H.Spec.		Grad.		Law		Med.		L.S.		Total by Series		Total
	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	
Alamance	8	1	8	0	3	1	2	0	1	0	0	0	0	0	1	1	1	0	1	0	1	0	26	3	29
Alexander	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	0	3
Alleghany	0	0	0	0	0	0	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	4	0	4
Anson	5	0	6	0	2	0	2	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	19	0	19
Ashe	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1	3
Avery	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	2
Beaufort	5	1	8	0	4	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	23	1	24
Bertie	3	0	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	10	0	10
Bladen	5	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	6	0	6
Brunswick	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Buncombe	20	11	15	0	9	0	6	0	0	0	1	1	1	0	2	1	6	0	2	0	0	0	61	13	74
Burke	6	0	3	0	0	0	2	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	12	0	12
Cabarrus	5	0	5	0	2	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	15	2	17
Caldwell	5	0	3	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	11	1	12
Camden	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
Carteret	3	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	8	0	8
Caswell	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	3	2	5
Catawba	2	2	3	0	3	0	3	0	2	0	0	1	0	0	2	1	0	0	0	0	0	0	16	5	21
Chatham	4	0	2	0	1	0	0	0	3	1	0	0	0	0	3	0	0	0	0	0	0	0	13	1	14
Cherokee	1	2	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	6	2	8
Chowan	2	0	2	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	8
Clay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleveland	5	0	7	0	3	0	2	0	0	0	1	0	0	0	1	0	2	0	1	0	0	0	21	1	22
Columbus	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	2	1	3
Craven	9	0	7	0	4	0	1	0	1	0	1	0	0	0	1	0	6	0	1	0	0	0	42	1	43
Cumberland	14	1	6	0	3	0	4	0	6	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	1
Currituck	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Dare	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Davidson	11	2	9	0	3	0	5	0	1	0	0	0	0	0	2	0	1	0	0	0	0	0	31	2	33
Davie	5	0	5	0	4	0	1	0	2	0	0	0	0	0	1	0	2	0	1	0	0	0	10	0	10
Duplin	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	22
Durham	12	8	20	1	5	1	3	0	2	0	2	1	0	0	3	0	1	0	3	0	0	2	49	16	65
Edgecombe	10	2	13	0	2	0	0	0	1	0	0	0	0	0	1	2	5	0	2	0	0	0	33	4	37
Forsyth	31	6	29	0	8	0	4	0	1	0	0	2	0	0	3	1	4	1	5	0	1	0	86	10	96
Franklin	0	2	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	4	5
Gaston	3	0	4	0	3	0	3	0	1	0	1	0	0	0	1	1	2	0	1	0	0	0	19	1	20
Gates	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
Graham	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Granville	4	3	6	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	4	16
Green	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	5
Guilford	30	2	46	0	14	1	22	0	0	0	0	0	0	0	0	0	8	0	4	0	0	1	132	11	143

	Arts		Coman.		A.S.		Engg.		Phar.		P.A.		P.H.Spec.		Grad.		Lawn		Med.		L.S.		Total by Scores		Total
	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	
Halifax	7	0	11	0	4	0	3	0	1	0	0	0	0	0	2	0	1	0	3	0	0	0	32	1	33
Harnett	6	1	5	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1	15	3	18
Haywood	4	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	7	0	7
Henderson	7	1	3	0	1	0	3	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	16	2	18
Hertford	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	7	0	7
Hoke	2	0	1	0	1	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	7	0	7
Hyde	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Iredell	3	1	14	0	3	0	4	0	0	0	1	0	0	0	1	1	1	0	0	0	0	0	26	3	29
Jackson	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Johnston	7	1	13	0	5	0	1	0	4	1	0	0	0	0	0	1	3	0	1	0	1	0	35	3	38
Jones	2	1	3	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	8	1	9
Lee	7	0	13	0	1	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0	0	1	26	1	27
Lenoir	8	1	7	0	3	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	21	1	22
Lincoln	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	4
McDowell	3	1	4	0	2	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11	2	13
Macon	3	2	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2	9
Madison	1	2	0	0	0	0	0	0	1	0	0	0	0	0	2	0	2	0	1	0	0	0	3	2	5
Martin	4	0	2	0	1	0	3	0	0	0	0	0	0	0	0	4	2	0	1	0	0	0	15	0	15
Mecklenburg	36	3	37	0	7	1	18	0	0	0	2	0	0	0	0	3	4	0	3	1	0	0	109	10	119
Mitchell	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Montgomery	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	0	4
Moore	7	4	9	0	0	0	2	0	1	0	0	0	0	0	2	1	1	0	1	0	0	0	23	5	28
Nash	12	1	12	0	2	0	2	0	2	1	0	0	0	0	1	1	3	0	0	0	0	1	34	4	38
New Hanover	18	0	19	0	5	0	9	0	0	1	1	0	0	0	1	0	3	0	2	0	0	0	58	1	59
Northampton	6	2	1	0	2	0	1	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	13	2	15
Onslow	5	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	8	2	10
Orange	54	32	4	7	2	23	0	3	2	0	1	0	0	0	28	8	9	0	4	1	0	2	156	74	230
Pamlico	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Passquotank	6	2	1	0	2	0	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	13	2	15
Pender	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
Perquimans	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Person	2	2	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	4	6
Pitt	5	0	10	0	6	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	0	0	24	2	26
Polk	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Randolph	2	1	3	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	14	1	15
Richmond	15	2	5	0	2	0	3	0	1	0	0	1	0	0	0	0	3	0	0	0	0	0	29	3	32
Robeson	10	6	0	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	23	1	24
Rockingham	9	1	21	0	2	0	3	0	2	0	0	0	0	0	1	3	3	0	2	0	0	0	43	4	47
Rowan	9	0	10	1	4	0	4	0	2	0	0	1	0	0	5	2	2	0	0	0	0	0	36	4	40
Rutherford	4	1	3	0	0	0	1	0	4	0	0	0	0	0	1	1	1	0	0	0	0	0	13	2	15
Sampson	8	0	5	0	4	0	0	0	1	1	0	0	1	0	0	0	1	0	1	0	0	0	21	1	22
Scotland	4	0	3	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	10	1	11
Stanly	4	2	1	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0	9	2	11
Stokes	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3

	Arts.		Comm.		A.S.		Engg.		Phar.		P.A.		P.H.Spec.		Grad.		Law		Med.		L.S.		Total by Series		Total
	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	
Surry	9	1	5	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	16	2	18	
Swain	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	1	4	
Transylvania	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	1	2	
Tyrrell	1	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	2	5	
Union	11	0	7	0	4	0	3	0	1	0	0	0	0	0	0	1	1	0	0	0	0	27	1	28	
Vance	3	0	3	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	10	1	11	
Wake	27	5	19	0	5	0	5	0	1	0	1	5	1	0	8	3	12	0	1	1	0	80	14	94	
Warren	4	0	5	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	13	0	13	
Washington	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
Watauga	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	2	
Wayne	11	0	12	1	5	0	6	0	4	0	0	0	0	0	0	1	2	0	1	0	0	42	2	44	
Wilkes	2	0	3	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	9	1	10	
Wilson	13	1	12	0	4	0	4	0	1	0	0	1	0	0	2	0	2	0	1	0	0	40	2	42	
Yadkin	1	1	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	4	1	5	
Yancey	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	
Total, by Sexes.....	584	143	562	8	182	11	188	0	76	9	4	29	8	0	108	50	123	1	59	5	3	10	1897	266	2163
Total, by Divisions	727		570		193		188		85		33		8		158		124		64		13	21	63		

NON-NORTH CAROLINA ENROLLMENT BY STATES, FOREIGN COUNTRIES, AND DEPENDENCIES OF THE UNITED STATES OF AMERICA, AND ACCORDING TO THE DIVISION OF THE UNIVERSITY IN WHICH THESE WERE ENROLLED, 1934-1935

	Arts		Comm.		A.S.		Engg.		Phar.		P.A.		P.H.Spec.		Grad.		Law		Med.		L.S.		Total by Sexes		Total
	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	
Alabama	3	1	2	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	7	2	9
Arkansas	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	
California	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	5	0	5	
Connecticut	24	0	7	0	6	0	6	0	0	0	0	0	0	0	0	0	1	2	0	0	0	47	1	48	
Delaware	1	0	2	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	6	0	6	
District of Columbia	6	0	2	0	0	0	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	12	0	12	
Florida	4	1	3	0	1	0	3	0	0	0	0	0	0	0	2	2	0	0	0	0	1	13	4	17	
Georgia	9	5	16	0	2	0	5	0	0	0	0	0	0	0	6	3	0	0	0	0	0	38	8	46	
Illinois	7	1	8	0	0	0	3	0	0	0	0	0	0	0	1	1	0	0	0	0	0	19	2	21	
Indiana	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	3	0	3	
Kentucky	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	2	4	6	
Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	1	1	3	4	
Maine	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	
Maryland	5	1	4	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	3	15	
Massachusetts	21	2	1	0	5	0	2	0	0	0	0	0	0	0	2	0	1	1	1	0	1	34	3	37	
Michigan	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
Minnesota	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
Mississippi	3	2	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	5	3	8	
Missouri	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	2	
Nebraska	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	
New Hampshire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	
New Jersey	53	4	20	0	20	0	11	0	0	0	0	0	0	0	2	0	1	0	4	0	0	111	4	115	
New York	85	2	46	0	21	2	18	0	3	0	0	0	1	0	9	4	1	0	2	0	0	186	8	194	
Ohio	1	1	1	0	1	0	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	8	1	9	
Pennsylvania	18	2	14	0	9	0	12	0	0	0	0	1	0	0	1	0	0	0	0	0	0	54	3	57	
Rhode Island	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	0	3	
South Carolina	15	1	6	1	3	0	2	0	0	0	0	0	0	0	8	2	1	0	2	0	0	37	5	42	
Tennessee	5	1	3	0	0	1	1	0	0	0	0	0	0	0	3	1	0	0	0	0	0	12	3	15	
Texas	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	3	0	0	0	0	0	4	3	7	
Utah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	
Vermont	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
Virginia	8	4	2	0	3	0	2	0	0	0	0	1	0	0	2	3	0	0	0	0	1	18	9	27	
Washington	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
West Virginia	2	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	6	
Wisconsin	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	2	
Canada	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
China	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	2	
Cuba	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	
Egypt	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
Fersia	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
Puerto Rico	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
Turkey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	2	
Totals, by Sexes.....	289	33	144	1	76	4	73	0	3	0	2	2	2	0	59	26	9	1	9	1	2	6	608	74	742
Totals, by Divisions	322	145	145	3	80	4	73	0	3	0	2	2	2	0	85	26	10	10	10	8	8	742	74	742	

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